

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053293.D
 Acq On : 7 Jan 2019 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Jan 08 01:21:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	936987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1378465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	622255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	448938	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.59	113	393235	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1659807	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	592116	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	417579	50.551	ug/l	99
3) Chloromethane	2.06	50	543564	47.120	ug/l	100
4) Vinyl Chloride	2.19	62	534987	48.590	ug/l	99
5) Bromomethane	2.57	94	356301	49.523	ug/l	98
6) Chloroethane	2.71	64	310337	46.697	ug/l	98
7) Trichlorofluoromethane	3.02	101	690315	48.405	ug/l	99
8) Diethyl Ether	3.41	74	262042	46.879	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	442876	48.999	ug/l	99
10) Methyl Iodide	3.96	142	640710	50.571	ug/l	100
11) Tert butyl alcohol	4.77	59	115803	197.505	ug/l	99
12) 1,1-Dichloroethene	3.74	96	419138	47.941	ug/l	99
13) Acrolein	3.61	56	150405	204.019	ug/l	99
14) Allyl chloride	4.33	41	706050	50.106	ug/l	96
15) Acrylonitrile	4.98	53	771695	220.475	ug/l	99
16) Acetone	3.81	43	566670	241.461	ug/l	100
17) Carbon Disulfide	4.06	76	1312044	48.677	ug/l	99
18) Methyl Acetate	4.32	43	356782	40.440	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1144143	46.629	ug/l	100
20) Methylene Chloride	4.55	84	477058	45.565	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	455451	48.518	ug/l	99
22) Diisopropyl ether	5.95	45	1446748	47.659	ug/l	96
23) Vinyl Acetate	5.89	43	4669642	244.478	ug/l	100
24) 1,1-Dichloroethane	5.85	63	830626	47.443	ug/l	99
25) 2-Butanone	6.83	43	884327	221.121	ug/l	100
26) 2,2-Dichloropropane	6.82	77	652616	50.993	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516720	48.202	ug/l	98
28) Bromochloromethane	7.19	49	365227	48.953	ug/l	100
29) Tetrahydrofuran	7.21	42	567555	215.051	ug/l	99
30) Chloroform	7.37	83	814858	47.286	ug/l	99
31) Cyclohexane	7.65	56	808773	48.606	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	684447	47.664	ug/l	100
36) 1,1-Dichloropropene	7.79	75	652063	50.670	ug/l	99
37) Ethyl Acetate	6.92	43	380558	45.400	ug/l	100
38) Carbon Tetrachloride	7.77	117	609193	51.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	798911	53.587	ug/l	100
40) Benzene	8.04	78	1953904	49.706	ug/l	99
41) Methacrylonitrile	7.18	41	226168	43.460	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	568240	48.733	ug/l	99
43) Isopropyl Acetate	8.16	43	693905	42.081	ug/l	98
44) Trichloroethene	8.83	130	537177	49.767	ug/l	99
45) 1,2-Dichloropropane	9.12	63	512577	49.716	ug/l	99
46) Dibromomethane	9.21	93	293996	48.906	ug/l	100
47) Bromodichloromethane	9.40	83	626222	49.988	ug/l	100
48) Methyl methacrylate	9.20	41	348767	46.554	ug/l	99
49) 1,4-Dioxane	9.20	88	64434	807.264	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1891945	228.151	ug/l	100
52) Toluene	10.16	92	1205441	49.984	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657497	51.305	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	768006	51.861	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	419776	47.339	ug/l	99
56) Ethyl methacrylate	10.43	69	559870	48.586	ug/l	99
57) 1,3-Dichloropropane	10.71	76	725114	48.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1501588	241.033	ug/l	100
59) 2-Hexanone	10.75	43	1342738	236.326	ug/l	100
60) Dibromochloromethane	10.90	129	483415	50.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	428500	48.968	ug/l	99
64) Tetrachloroethene	10.63	164	574892	48.707	ug/l	99
65) Chlorobenzene	11.43	112	1344176	49.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472807	49.584	ug/l	99
67) Ethyl Benzene	11.51	91	2347079	50.702	ug/l	99
68) m/p-Xylenes	11.62	106	1801785	103.510	ug/l	100
69) o-Xylene	11.95	106	874869	51.337	ug/l	99
70) Styrene	11.96	104	1442329	52.004	ug/l	99
71) Bromoform	12.13	173	337509	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	2313443	49.936	ug/l	100
74) N-amyl acetate	12.07	43	633096	45.763	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	470844	44.181	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	653330	71.985	ug/l #	100
77) Bromobenzene	12.53	156	598297	48.387	ug/l	99
78) n-propylbenzene	12.59	91	2699216	51.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	1567791	49.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905187	51.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158804	51.480	ug/l	97
82) 4-Chlorotoluene	12.77	91	1622935	49.914	ug/l	100
83) tert-Butylbenzene	12.99	119	1650764	50.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952293	51.352	ug/l	100
85) sec-Butylbenzene	13.17	105	2239362	51.862	ug/l	100
86) p-Isopropyltoluene	13.29	119	1990250	53.236	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1079369	49.570	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1069231	49.501	ug/l	99
89) n-Butylbenzene	13.62	91	1683074	53.697	ug/l	100
90) Hexachloroethane	13.87	117	317818	53.039	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1005471	49.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60516	46.816	ug/l	99

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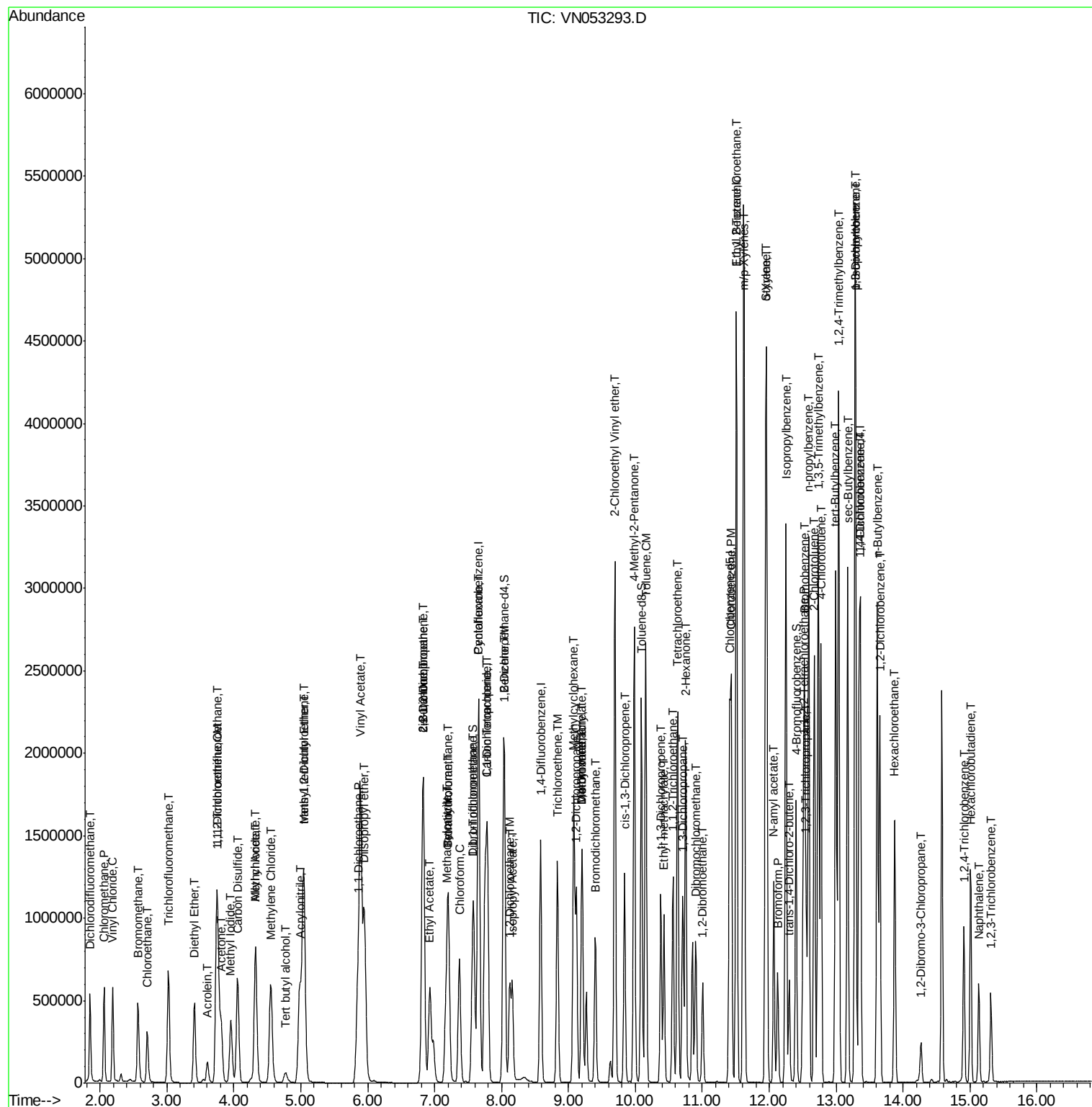
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	336280	52.436	ug/l	99
94) Hexachlorobutadiene	15.01	225	283457	54.038	ug/l	99
95) Naphthalene	15.13	128	531120	48.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	203102	48.372	ug/l	99

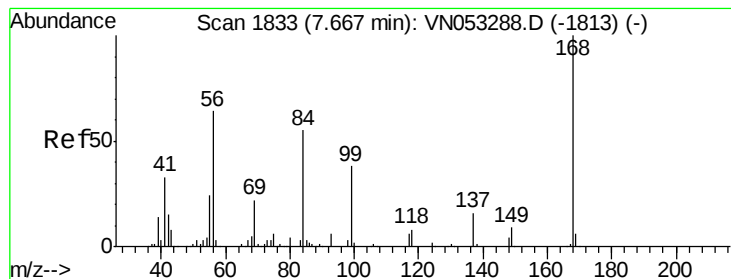
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010719\
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Quant Title : SW846 8260
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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: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

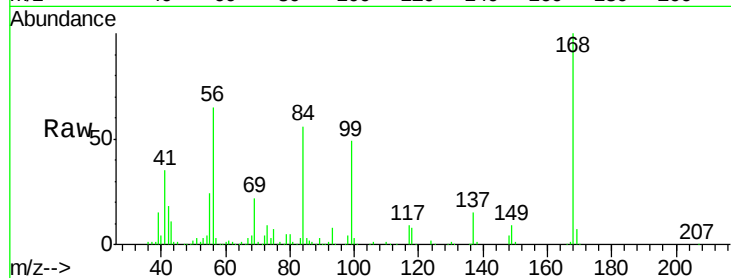
BFB

Tot Ion:168 Resp: 936987

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

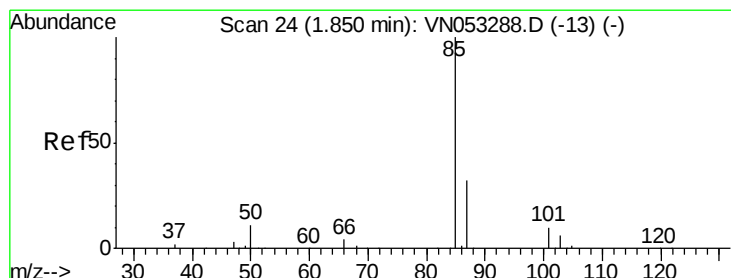
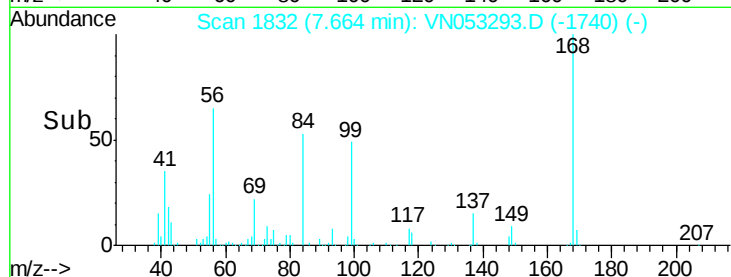
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.551 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053293.D

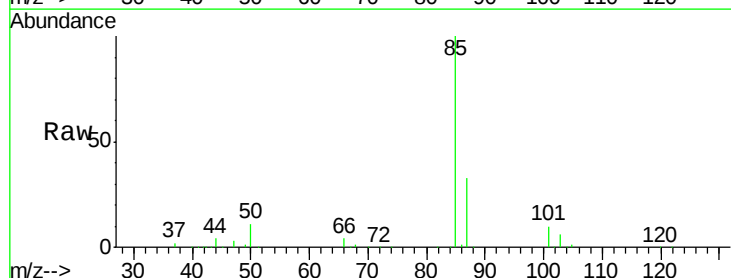
Acq: 7 Jan 2019 9:57

Tgt Ion: 85 Resp: 417579

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

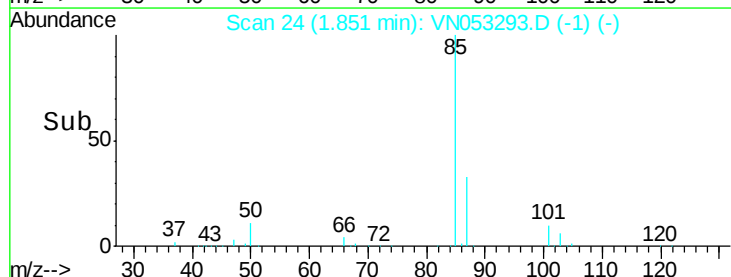
200000

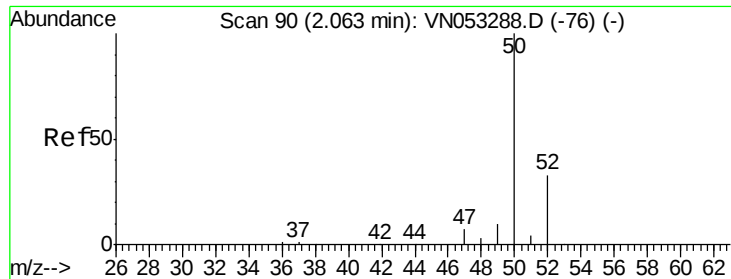
100000

0

1.80 1.90 2.00

Time-->

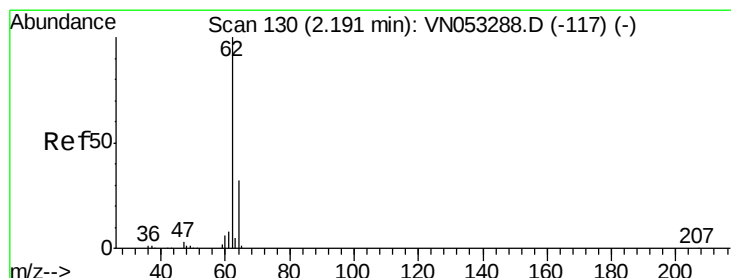
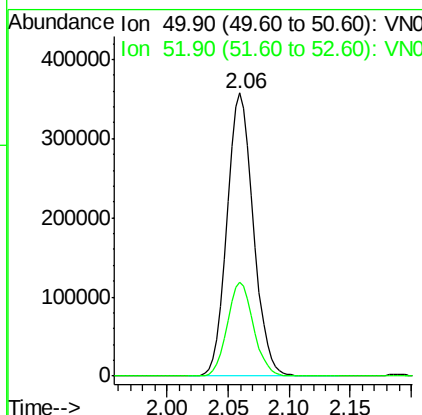
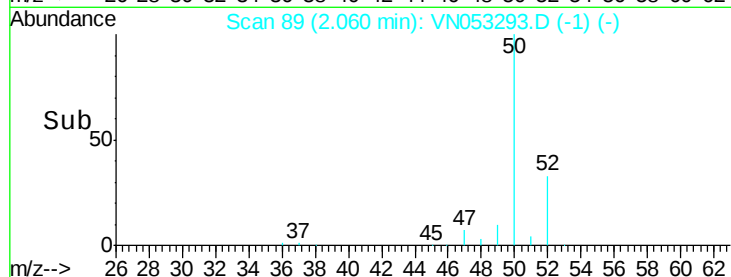
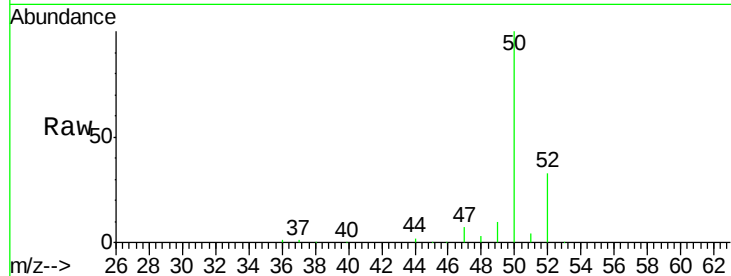




#3
 Chloromethane
 Concen: 47.120 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

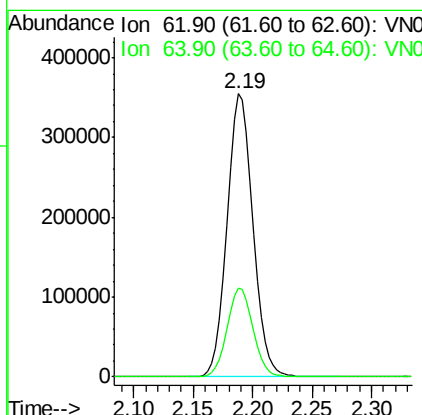
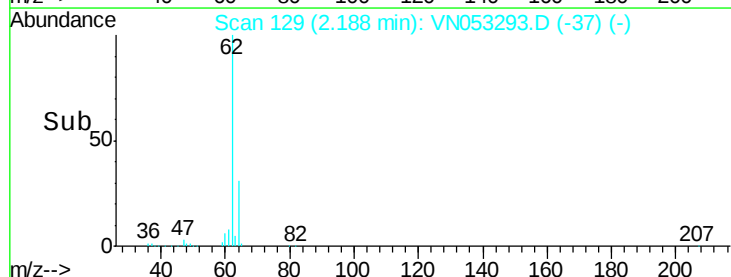
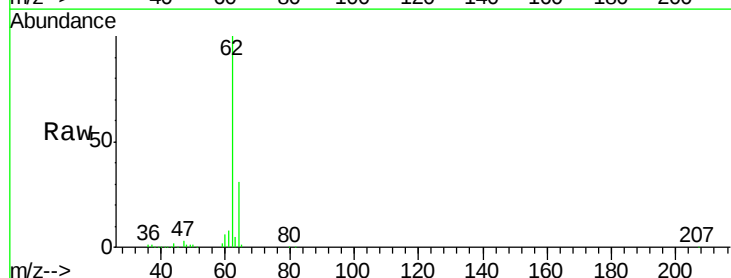
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

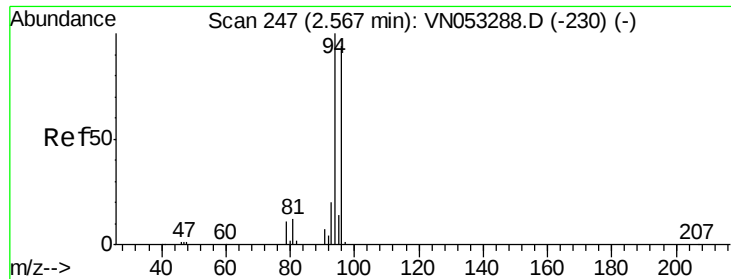
Tot Ion: 50 Resp: 543564
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.6 40.0



#4
 Vinyl Chloride
 Concen: 48.590 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 62 Resp: 534987
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.6 38.4





#5

Bromomethane

Concen: 49.523 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

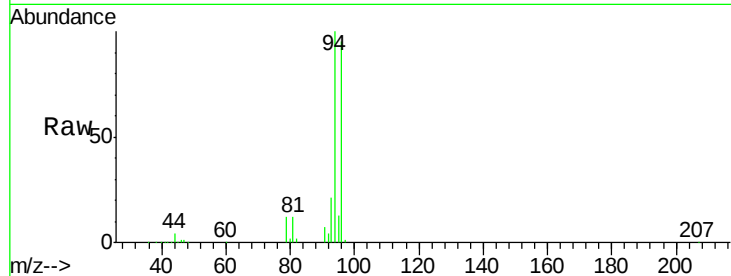
BFB

Tot Ion: 94 Resp: 356301

Ion Ratio Lower Upper

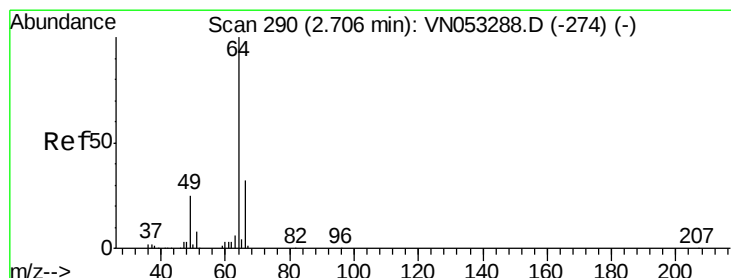
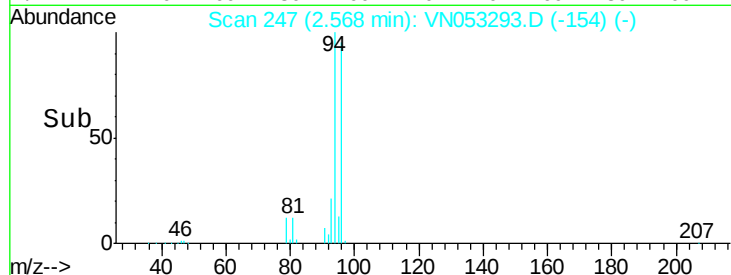
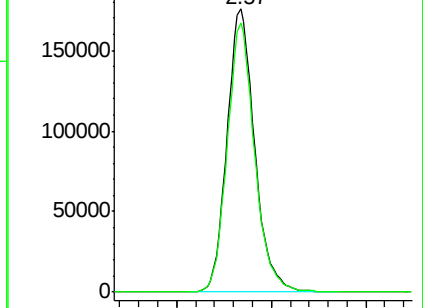
94 100

96 95.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN053288.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN053293.D (-154) (-)



#6

Chloroethane

Concen: 46.697 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053293.D

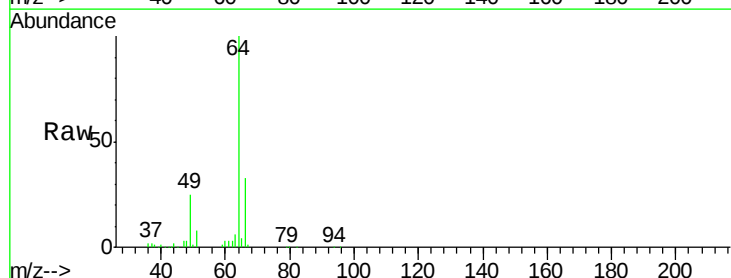
Acq: 7 Jan 2019 9:57

Tgt Ion: 64 Resp: 310337

Ion Ratio Lower Upper

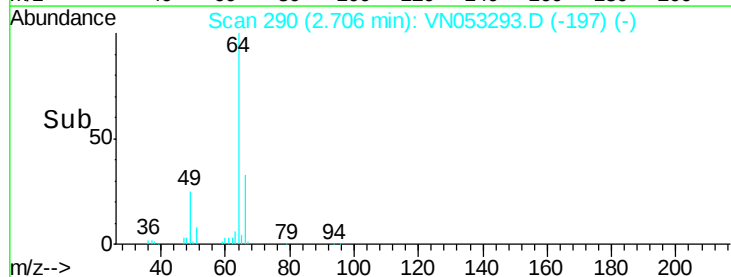
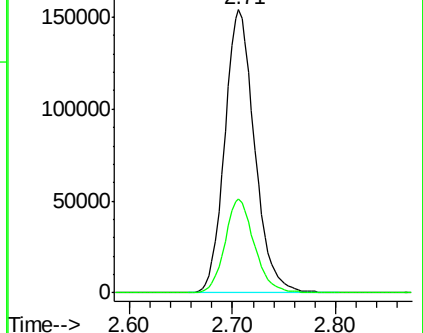
64 100

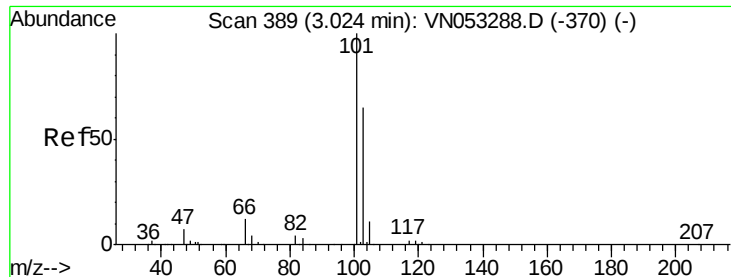
66 33.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN053288.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN053293.D (-197) (-)



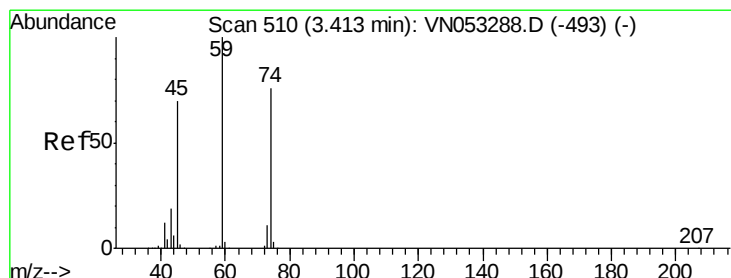
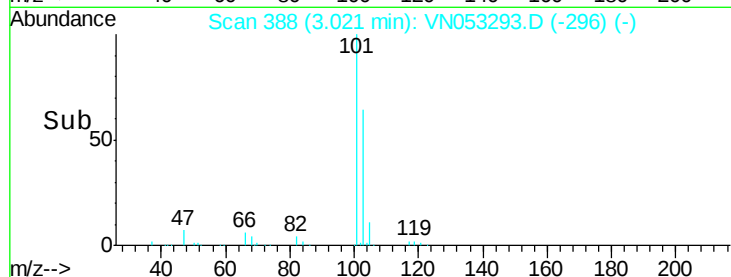
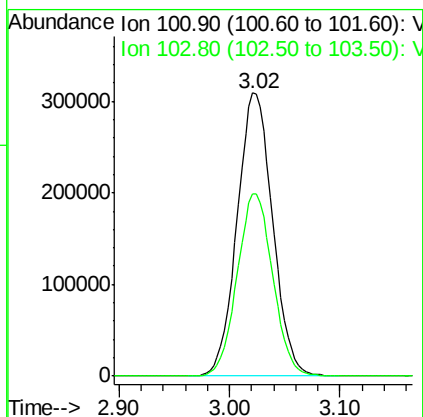
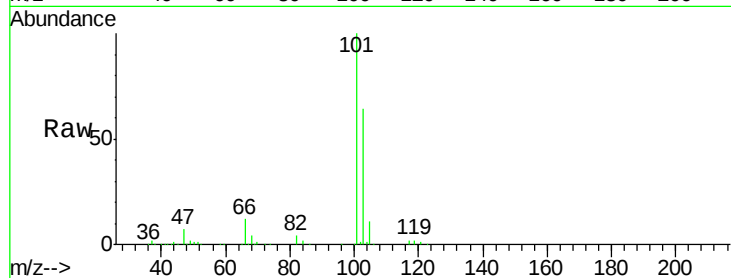


#7

Trichlorofluoromethane
 Concen: 48.405 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

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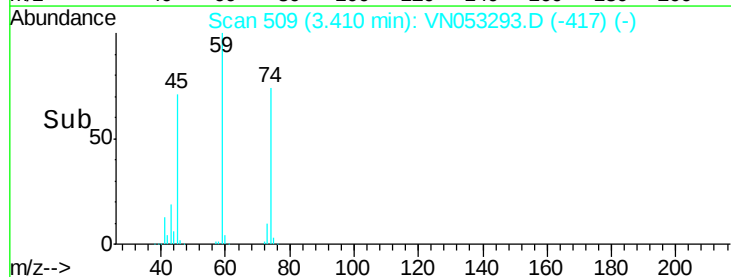
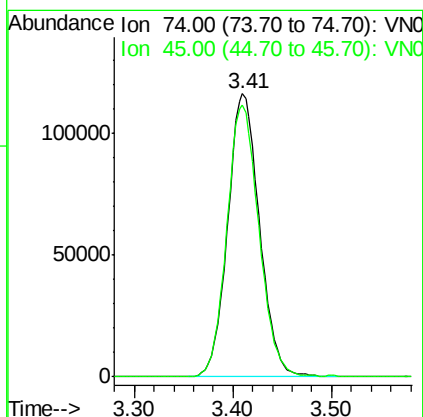
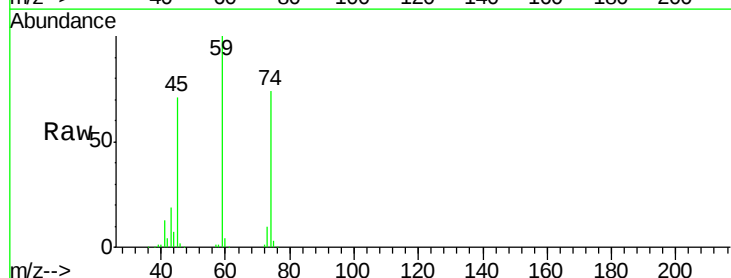
Tot Ion:101 Resp: 690315
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

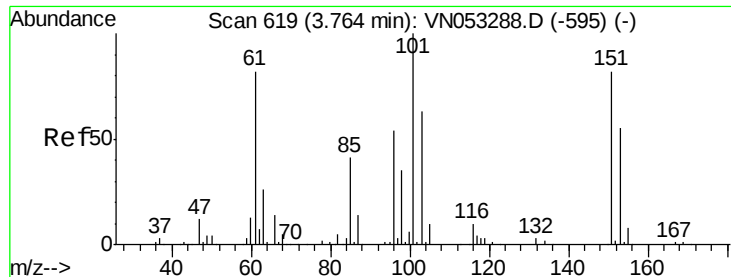


#8

Diethyl Ether
 Concen: 46.879 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 74 Resp: 262042
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.3 144.9

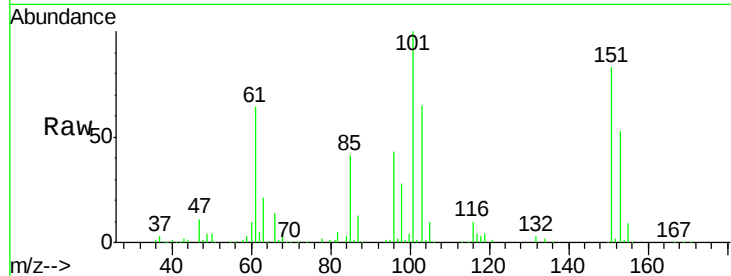




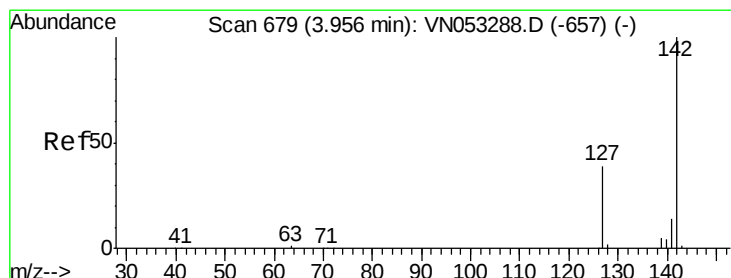
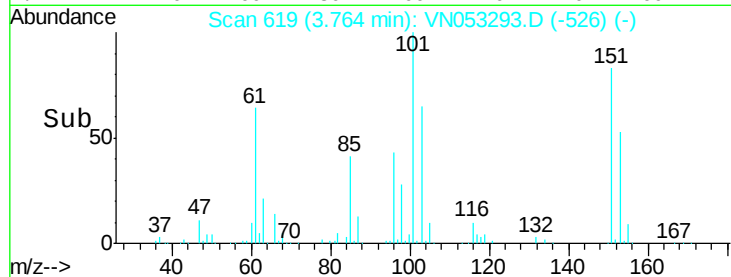
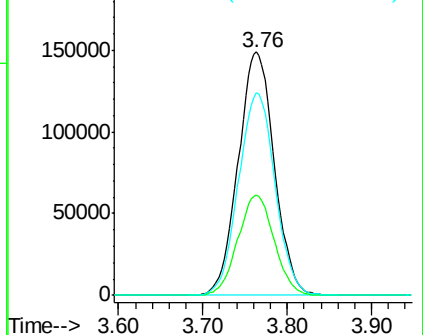
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.999 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion:101 Resp: 442876
 Ion Ratio Lower Upper
 101 100
 85 41.2 33.3 49.9
 151 84.4 67.0 100.4

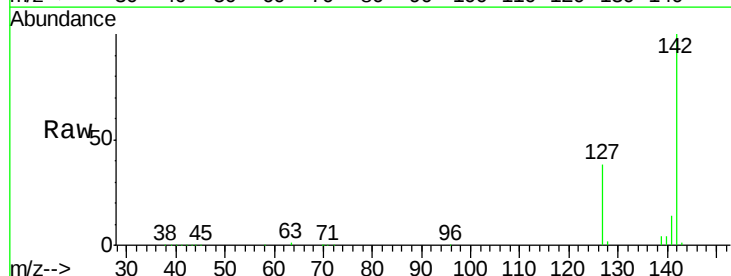


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

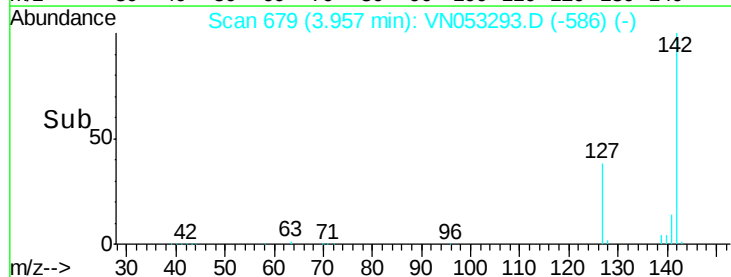
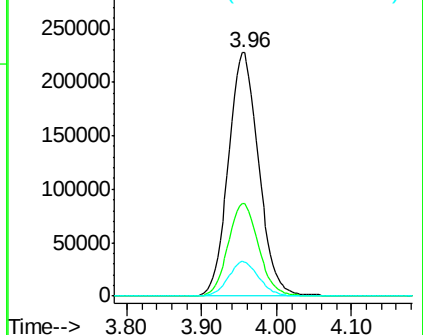


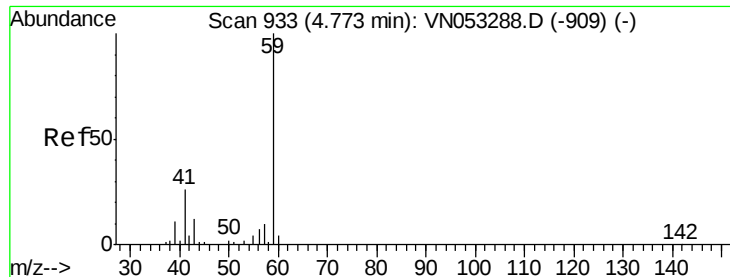
#10
 Methyl Iodide
 Concen: 50.571 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion:142 Resp: 640710
 Ion Ratio Lower Upper
 142 100
 127 38.4 30.9 46.3
 141 14.2 11.2 16.8



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



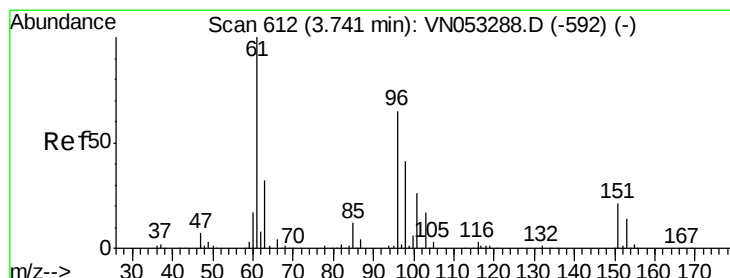
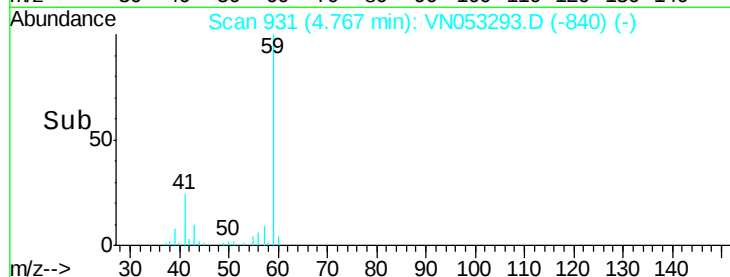
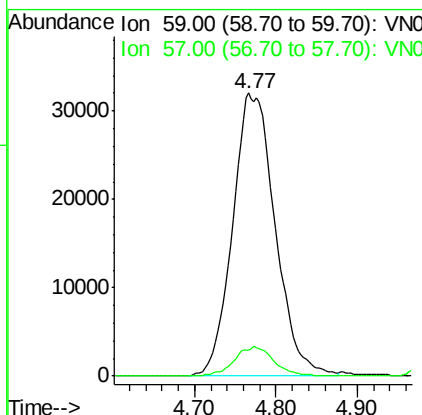
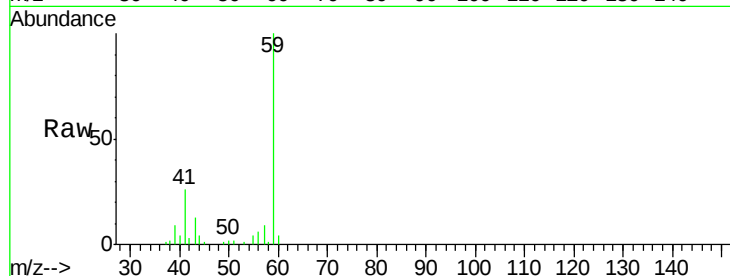


#11

Tert butyl alcohol
 Concen: 197.505 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

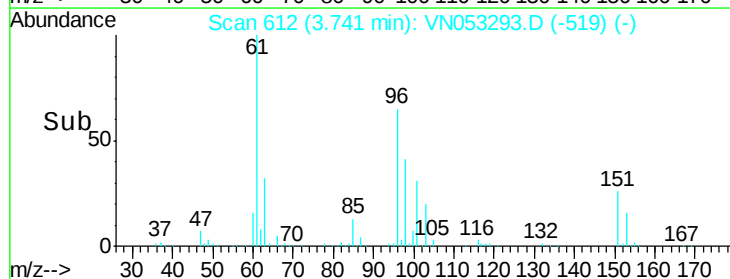
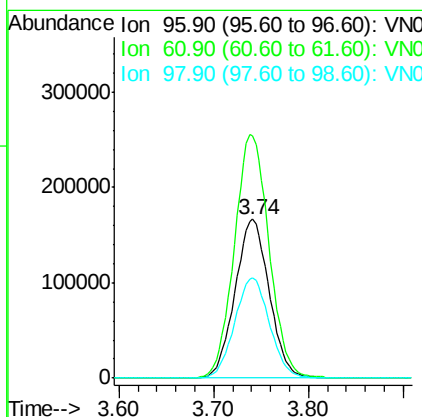
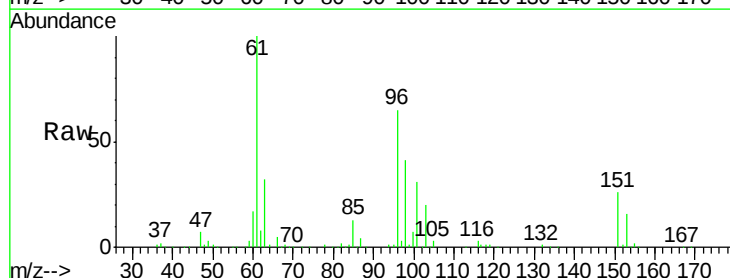
Tot Ion: 59 Resp: 115803
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

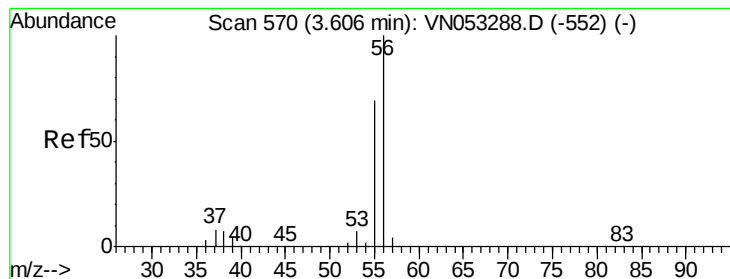


#12

1,1-Dichloroethene
 Concen: 47.941 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 96 Resp: 419138
 Ion Ratio Lower Upper
 96 100
 61 152.9 123.2 184.8
 98 63.2 50.5 75.7





#13

Acrolein

Concen: 204.019 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

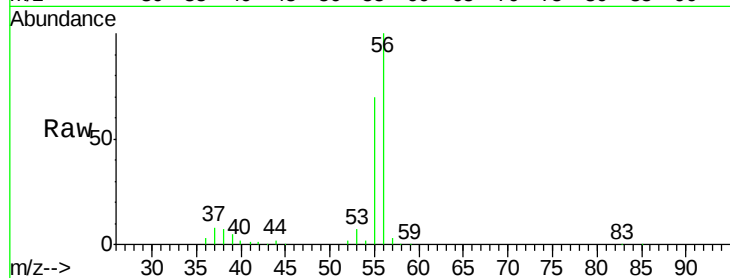
BFB

Tot Ion: 56 Resp: 150405

Ion Ratio Lower Upper

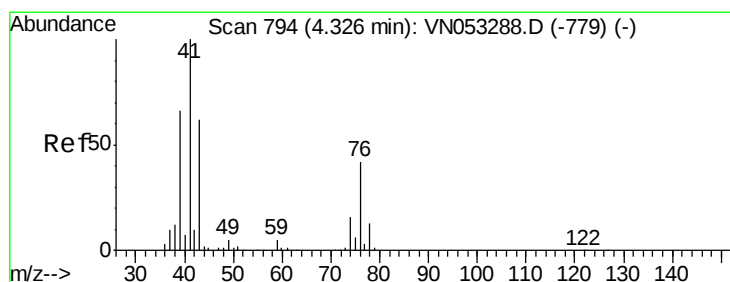
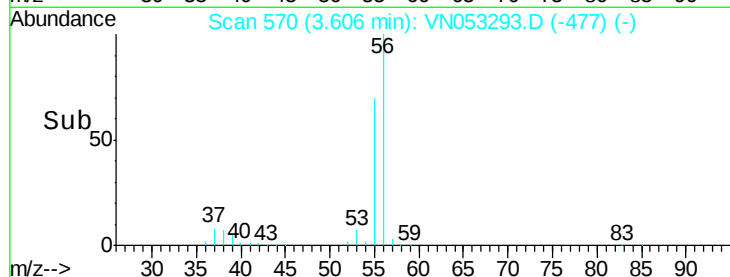
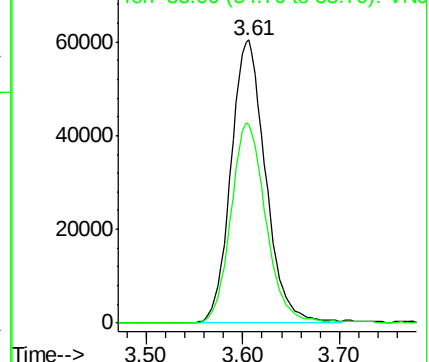
56 100

55 70.9 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.106 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

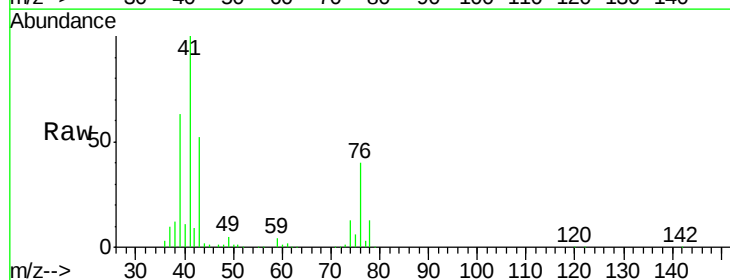
Tgt Ion: 41 Resp: 706050

Ion Ratio Lower Upper

41 100

39 61.1 51.9 77.9

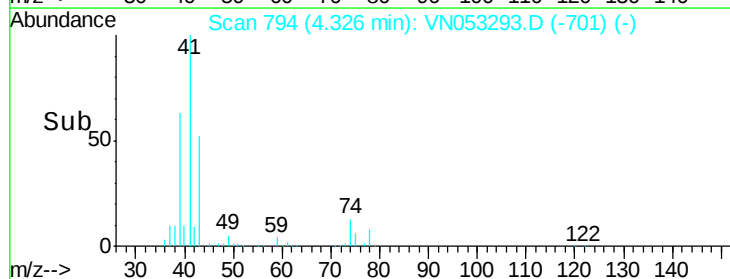
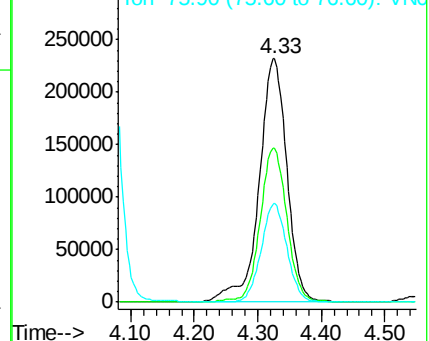
76 37.1 31.2 46.8

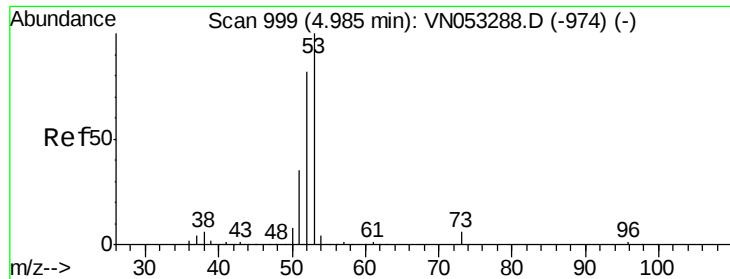


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 220.475 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

BFB

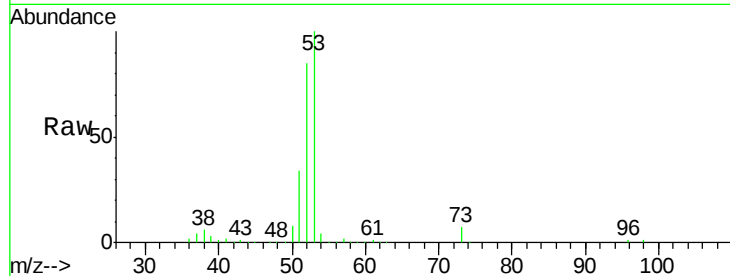
Tot Ion: 53 Resp: 771695

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

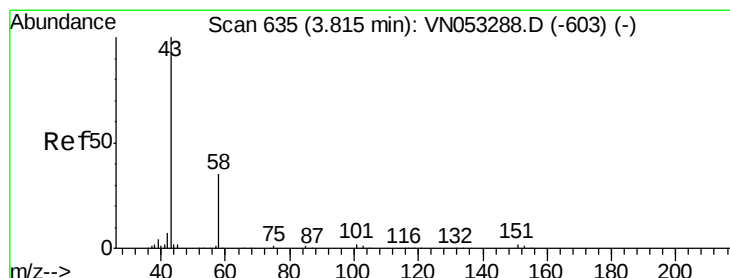
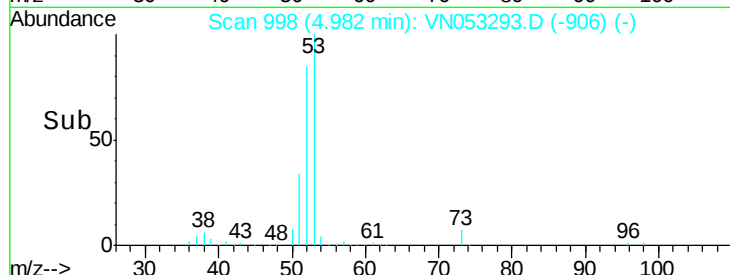
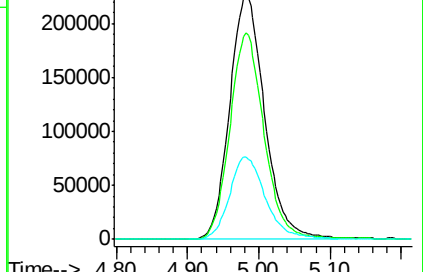
51 35.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN053288.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053288.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053288.D (-974) (-)



#16

Acetone

Concen: 241.461 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053293.D

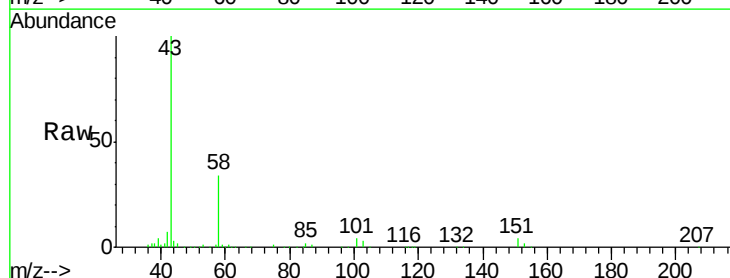
Acq: 7 Jan 2019 9:57

Tgt Ion: 43 Resp: 566670

Ion Ratio Lower Upper

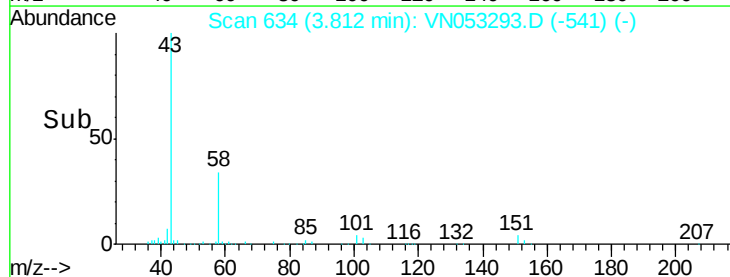
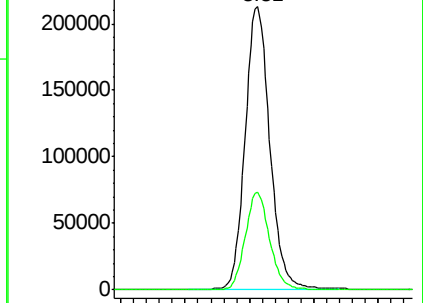
43 100

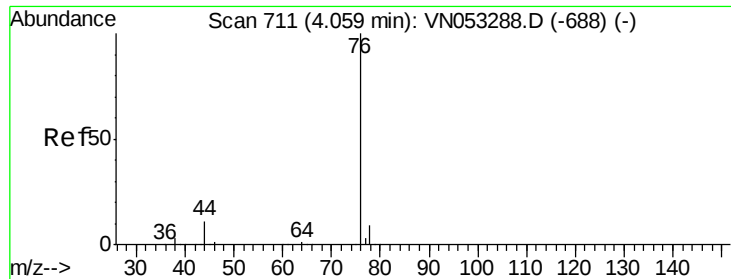
58 34.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)

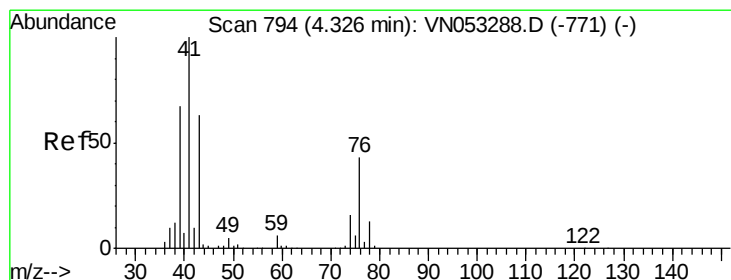
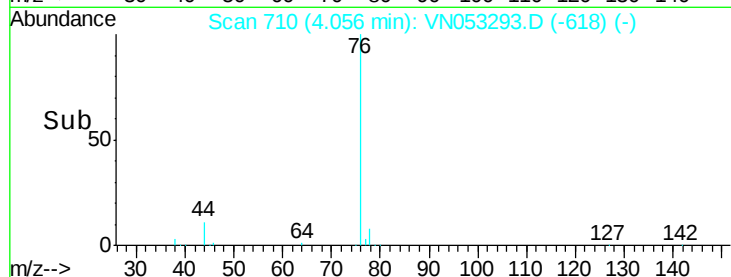
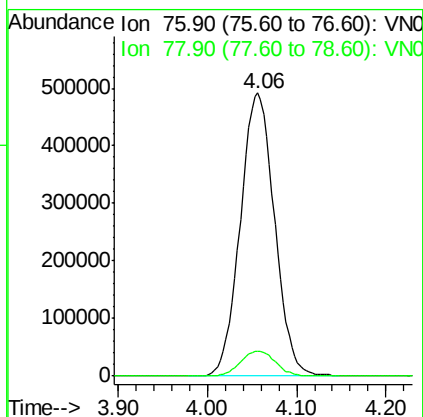
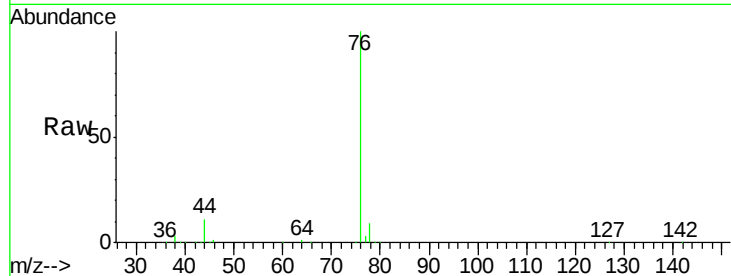




#17
Carbon Disulfide
Concen: 48.677 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

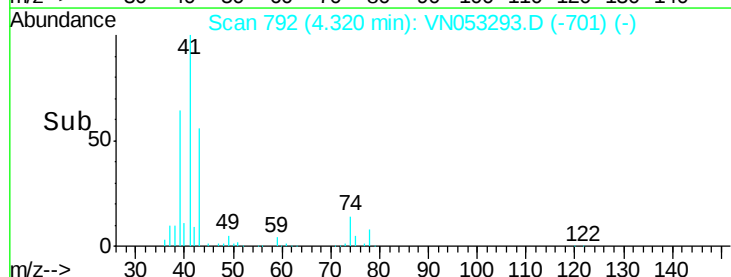
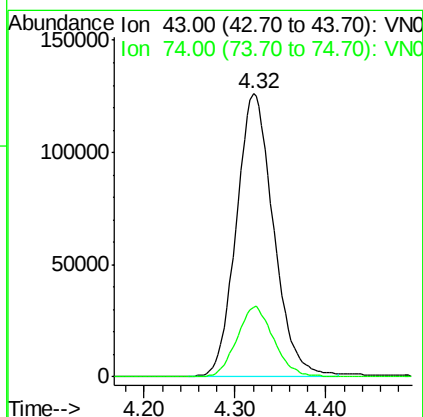
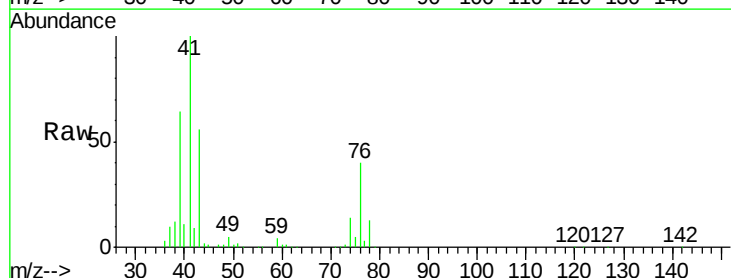
Instrument :
MSVOA_N
ClientSampled :
BFB

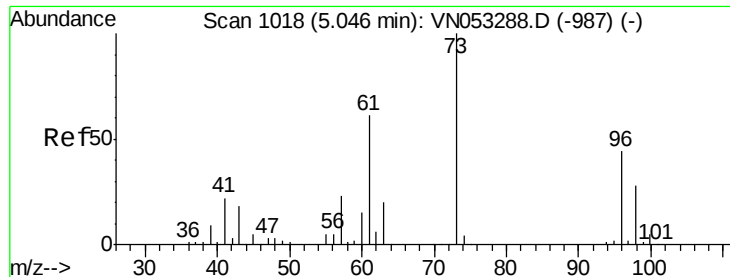
Tot Ion: 76 Resp: 1312044
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 40.440 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 43 Resp: 356782
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

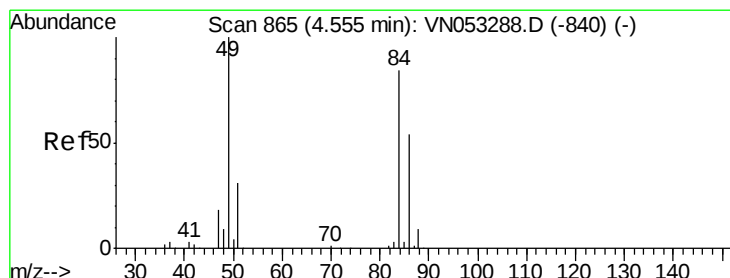
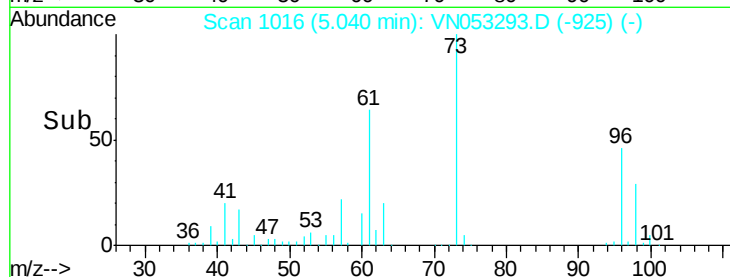
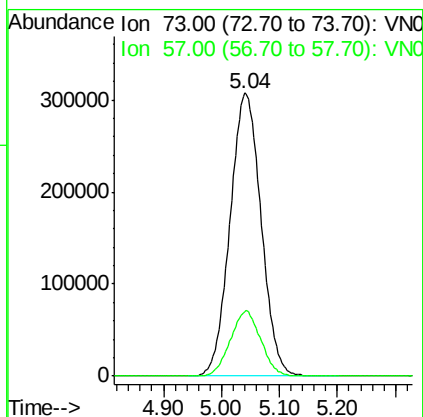
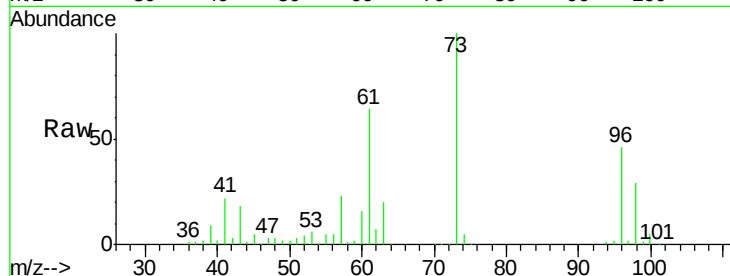




#19
Methvl tert-butvl Ether
Concen: 46.629 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

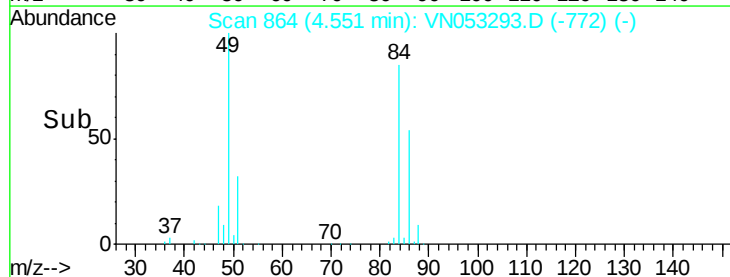
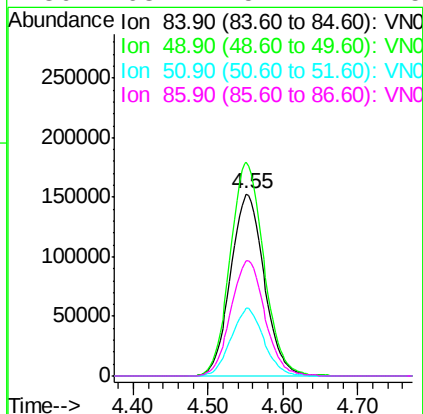
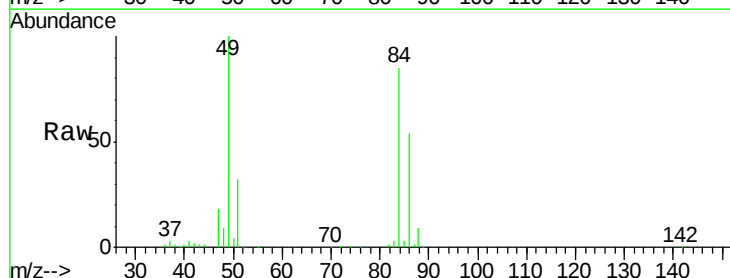
Instrument :
MSVOA_N
ClientSampleId :
BFB

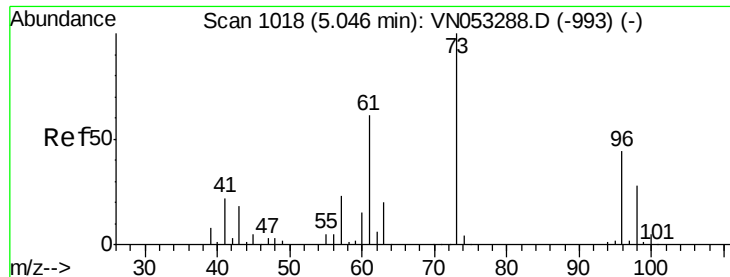
Tot Ion: 73 Resp: 1144143
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7



#20
Methylene Chloride
Concen: 45.565 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 84 Resp: 477058
Ion Ratio Lower Upper
84 100
49 117.1 95.3 142.9
51 37.5 29.0 43.6
86 63.2 51.7 77.5

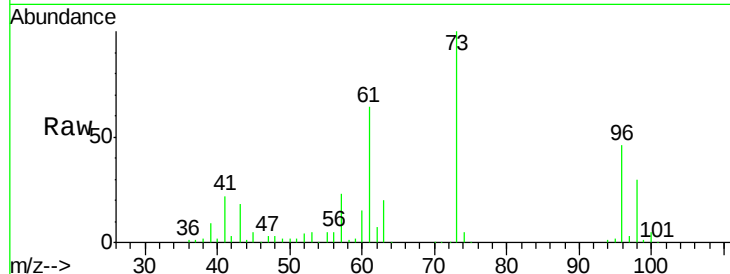




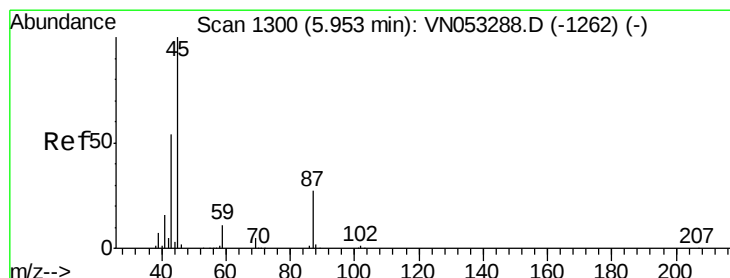
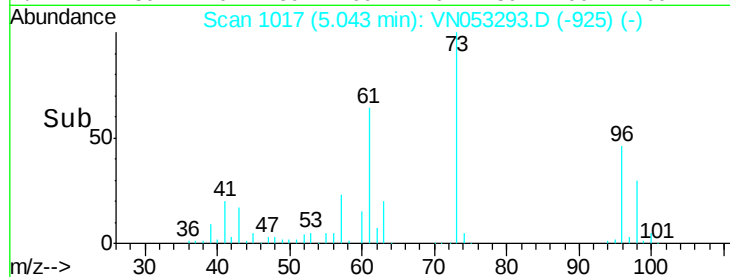
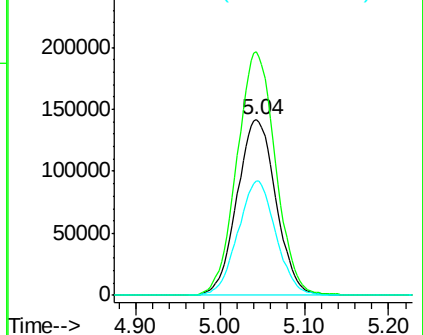
#21
trans-1,2-Dichloroethene
Concen: 48.518 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 96 Resp: 455451
Ion Ratio Lower Upper
96 100
61 138.7 110.2 165.4
98 65.0 50.7 76.1

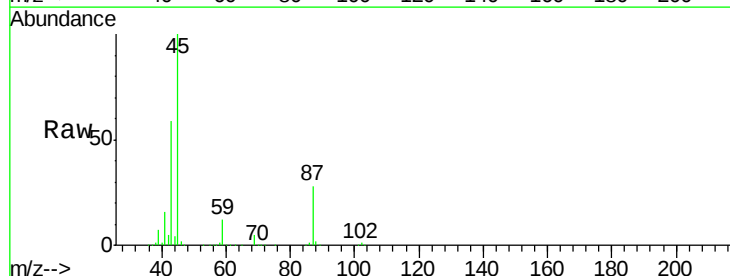


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

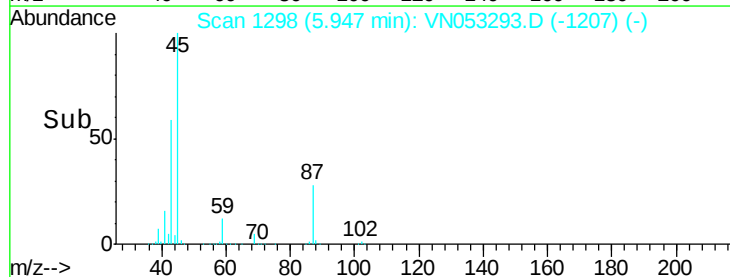
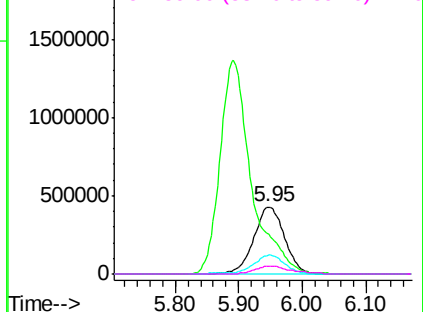


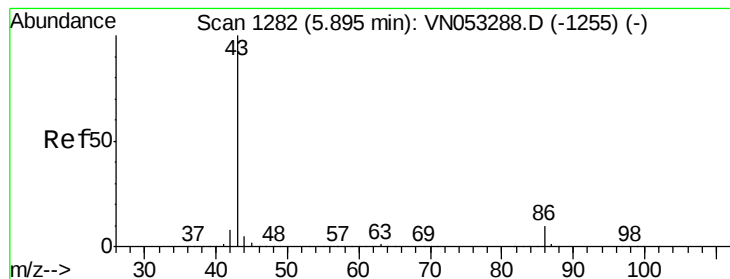
#22
Diisopropyl ether
Concen: 47.659 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 45 Resp: 1446748
Ion Ratio Lower Upper
45 100
43 58.5 43.0 64.6
87 28.1 22.1 33.1
59 11.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 244.478 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

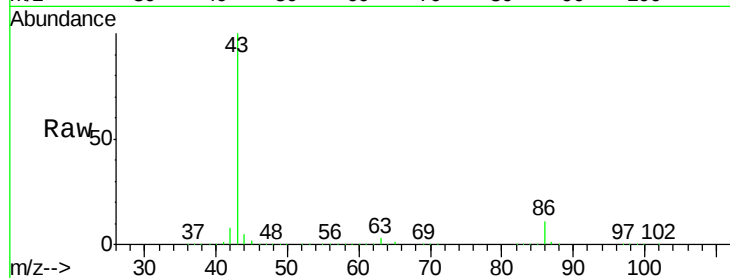
BFB

Tot Ion: 43 Resp: 4669642

Ion Ratio Lower Upper

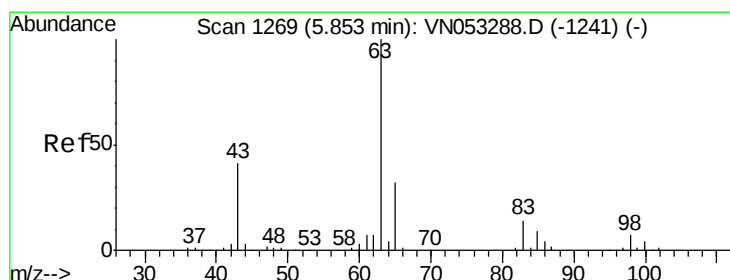
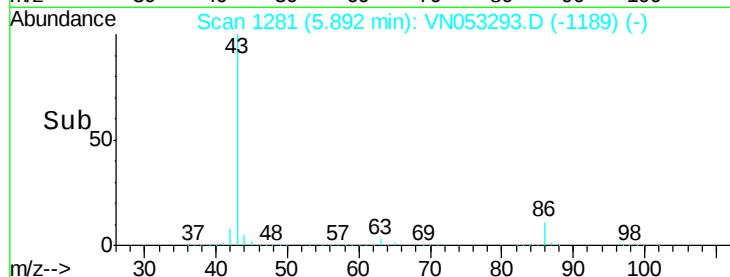
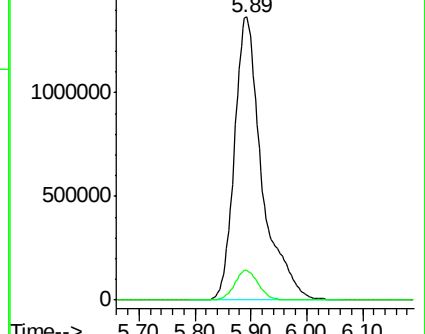
43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.443 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

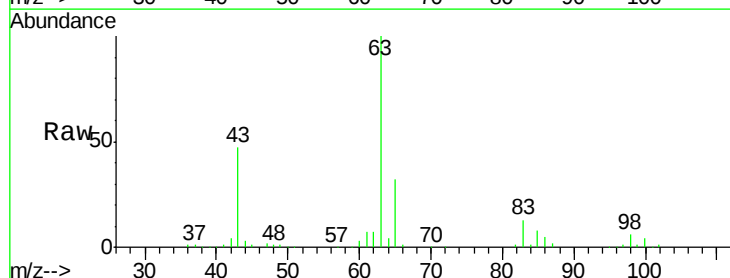
Tgt Ion: 63 Resp: 830626

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

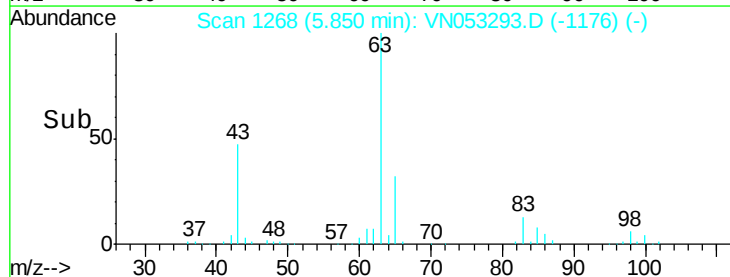
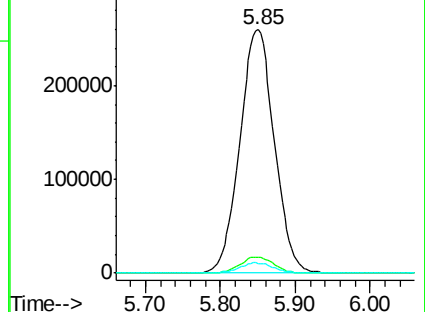
100 4.0 2.1 6.5

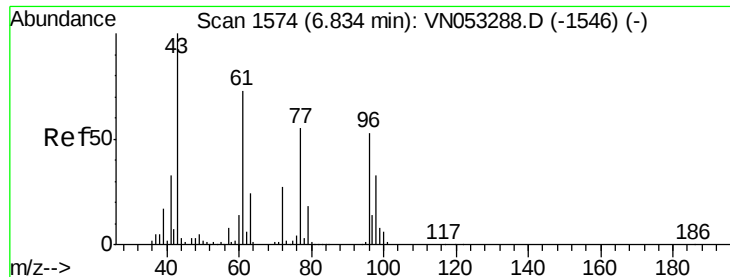


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 221.121 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

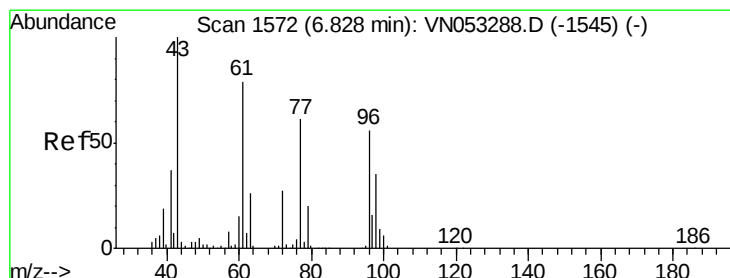
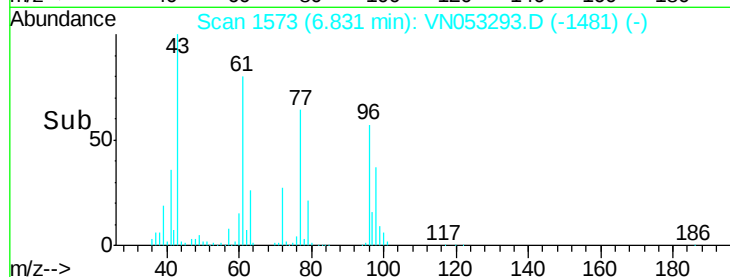
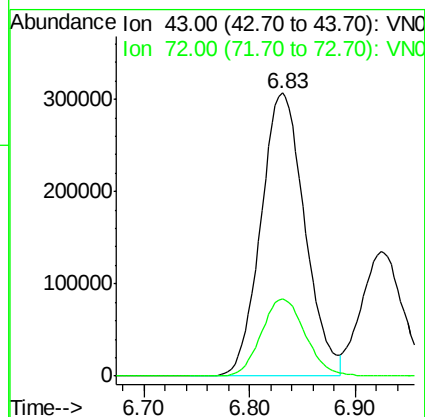
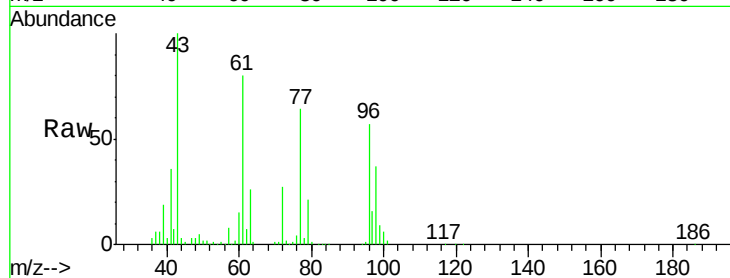
BFB

Tot Ion: 43 Resp: 884327

Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.993 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053293.D

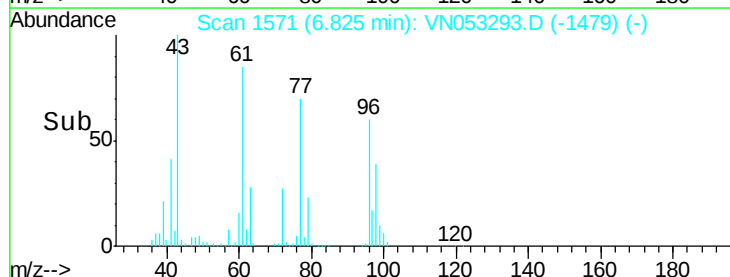
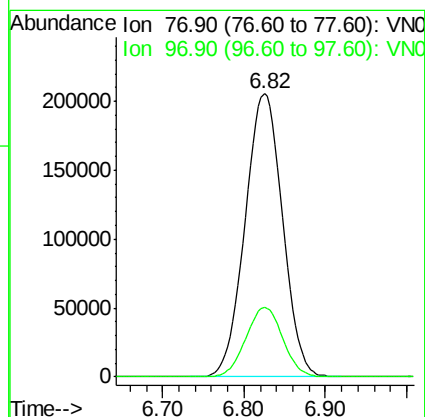
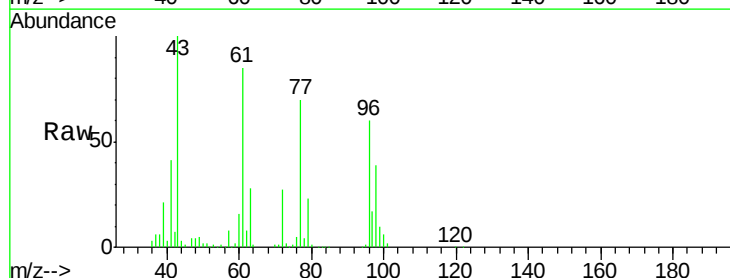
Acq: 7 Jan 2019 9:57

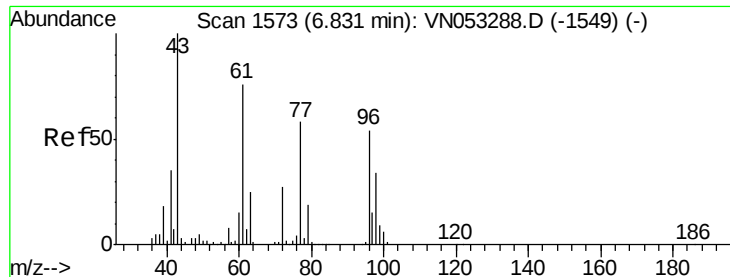
Tgt Ion: 77 Resp: 652616

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9

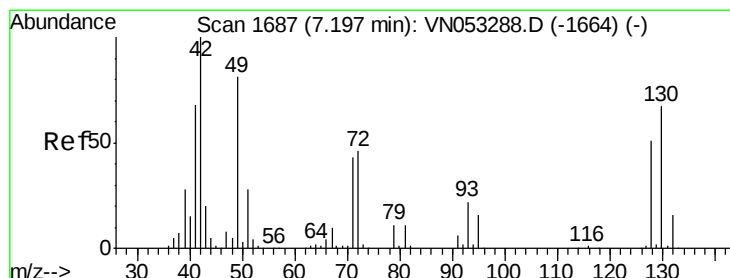
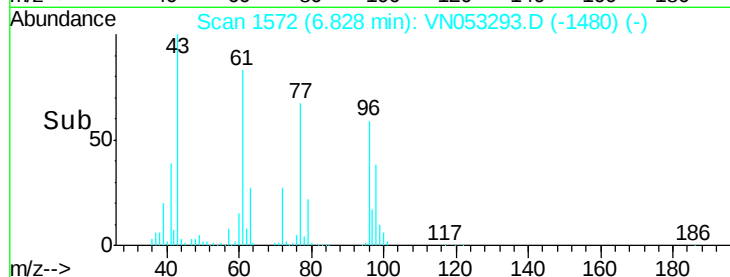
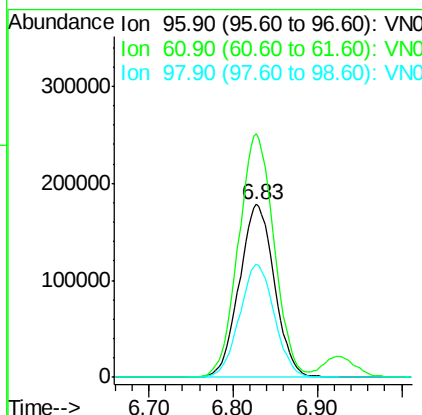
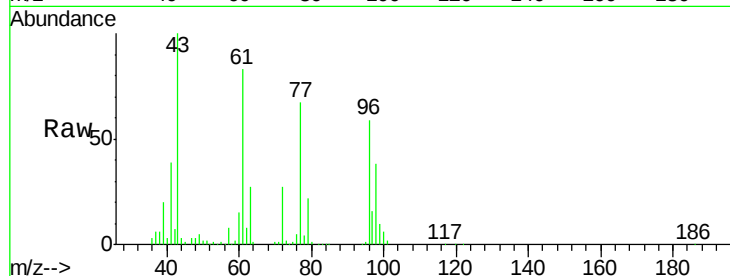




#27
 cis-1,2-Dichloroethene
 Concen: 48.202 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

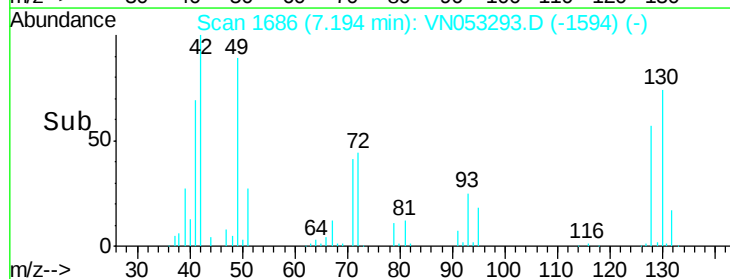
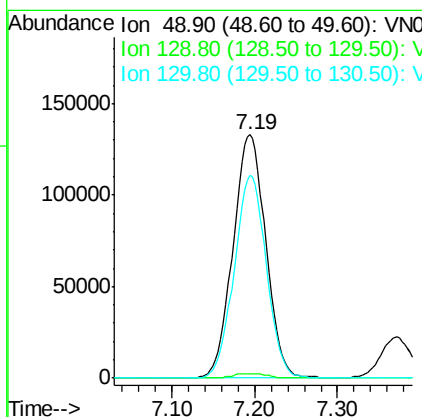
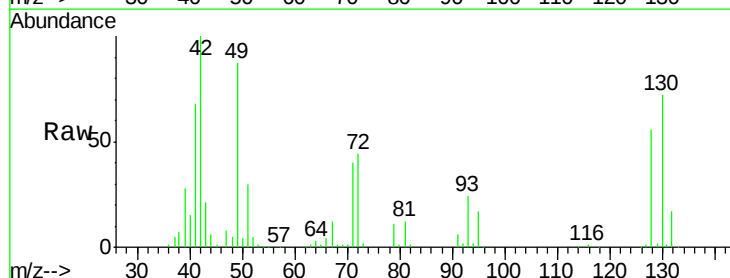
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

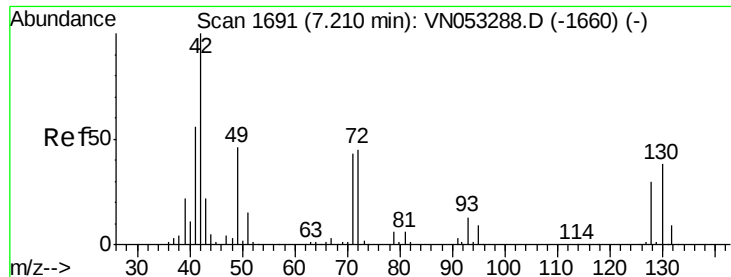
Tot Ion: 96 Resp: 516720
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 280.6
 98 64.9 0.0 127.6



#28
 Bromochloromethane
 Concen: 48.953 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 49 Resp: 365227
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 81.8 65.4 98.0

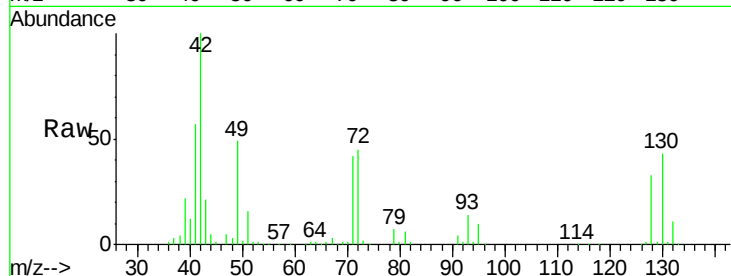




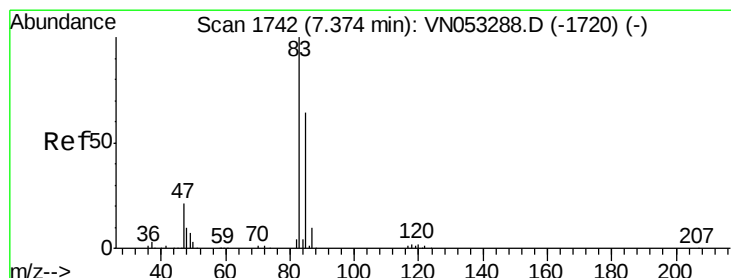
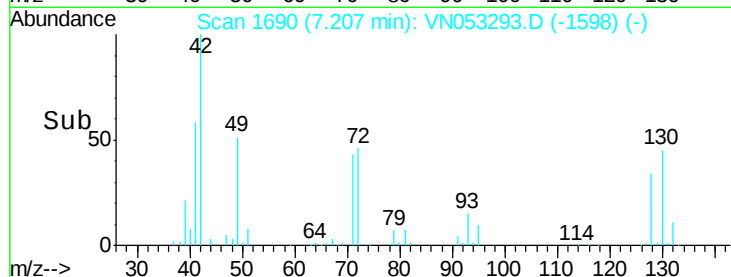
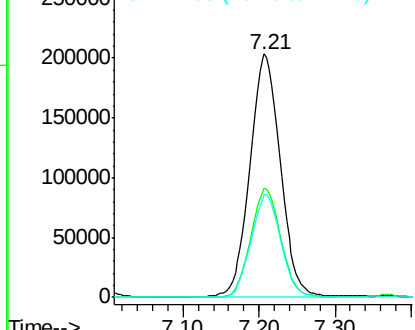
#29
Tetrahydrofuran
Concen: 215.051 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 42 Resp: 567555
Ion Ratio Lower Upper
42 100
72 44.4 35.6 53.4
71 41.6 33.8 50.8

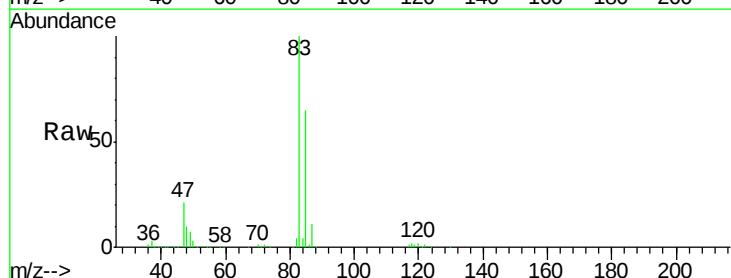


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

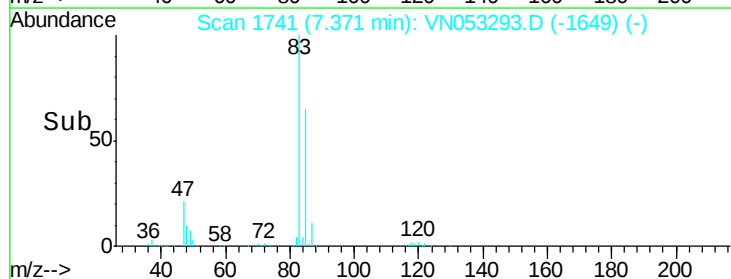
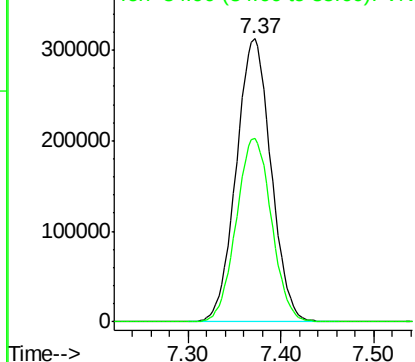


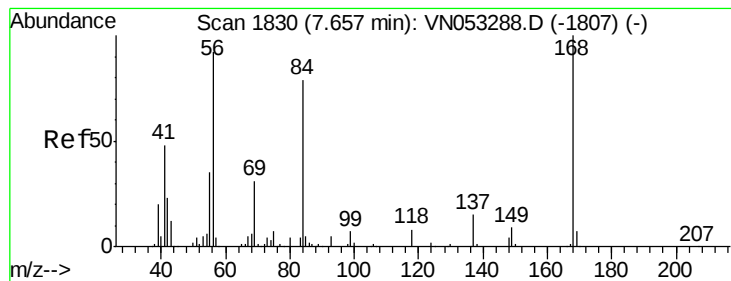
#30
Chloroform
Concen: 47.286 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 83 Resp: 814858
Ion Ratio Lower Upper
83 100
85 64.6 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.606 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

BFB

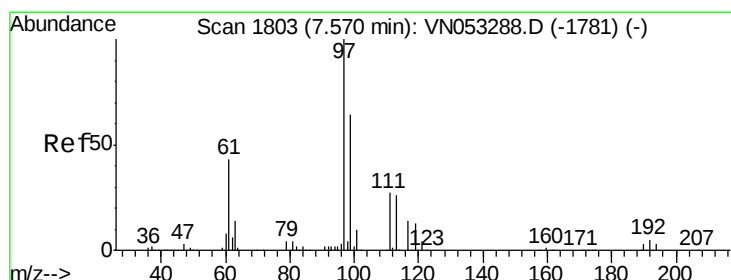
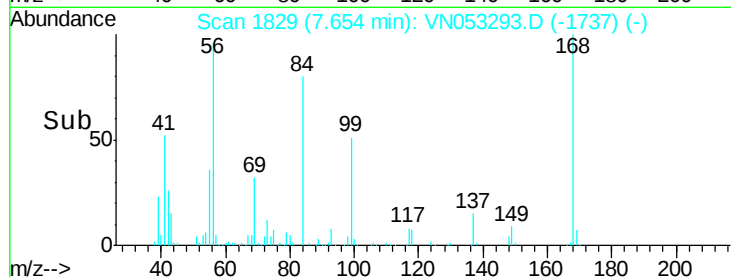
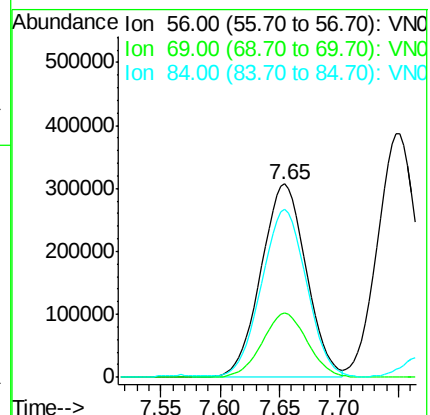
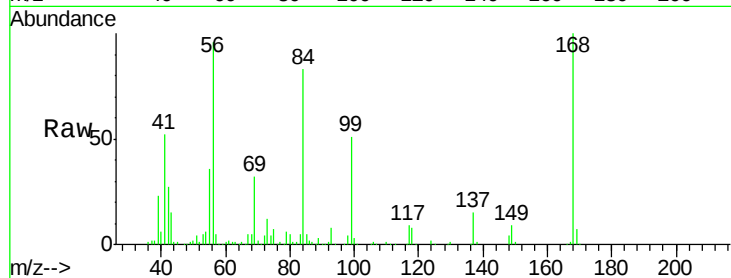
Tot Ion: 56 Resp: 808773

Ion Ratio Lower Upper

56 100

69 33.4 26.7 40.1

84 85.8 68.2 102.4



#32

1,1,1-Trichloroethane

Concen: 47.664 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

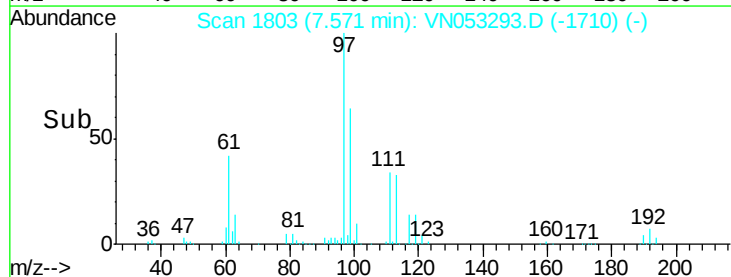
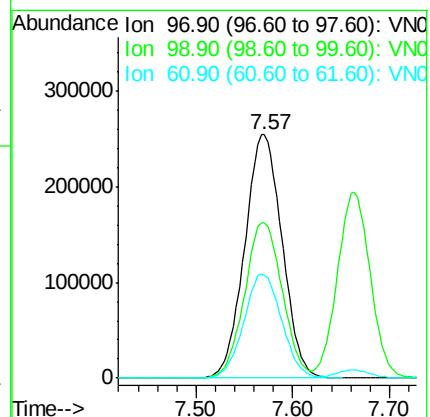
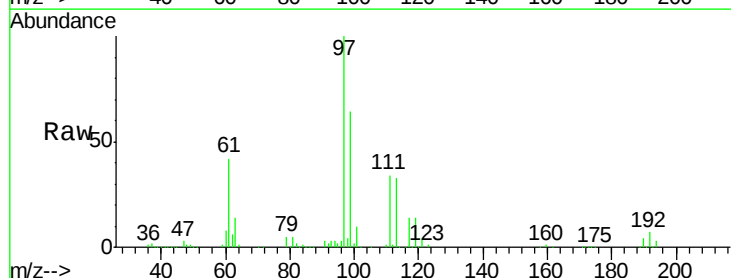
Tgt Ion: 97 Resp: 684447

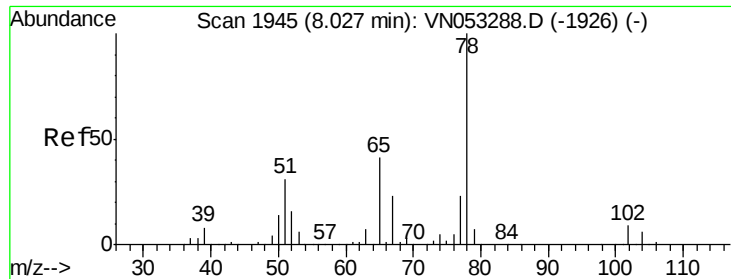
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.1 34.6 52.0

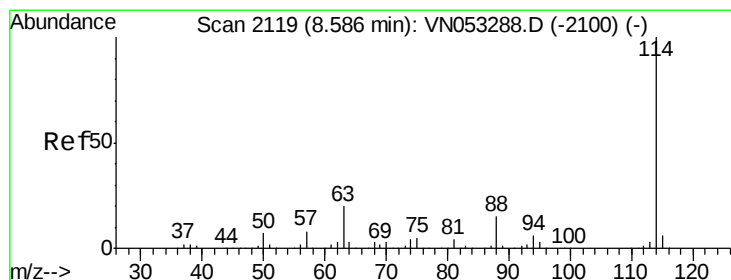
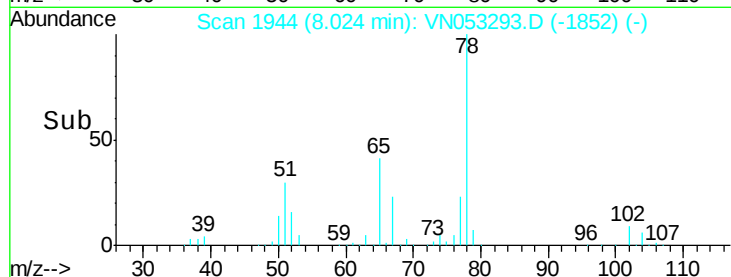
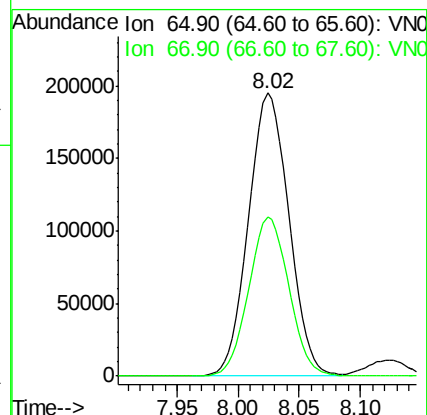
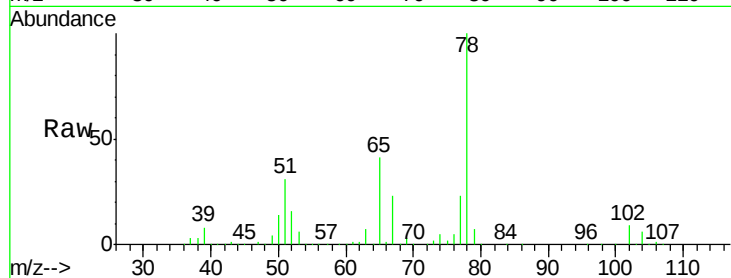




#33
 1,2-Dichloroethane-d4
 Concen: 47.664 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

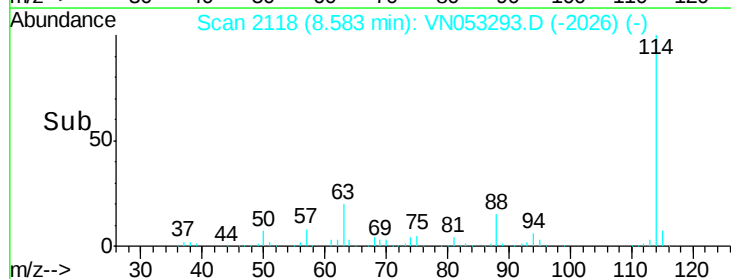
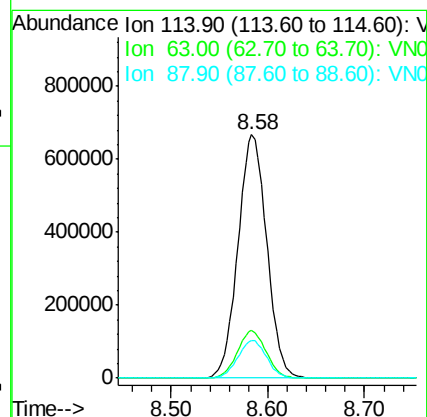
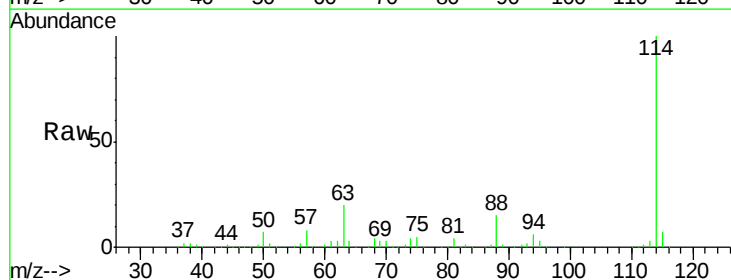
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

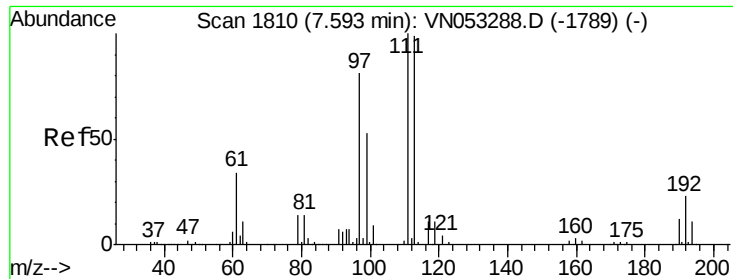
Tot Ion: 65 Resp: 448938
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 114 Resp: 1378465
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.5 0.0 30.8

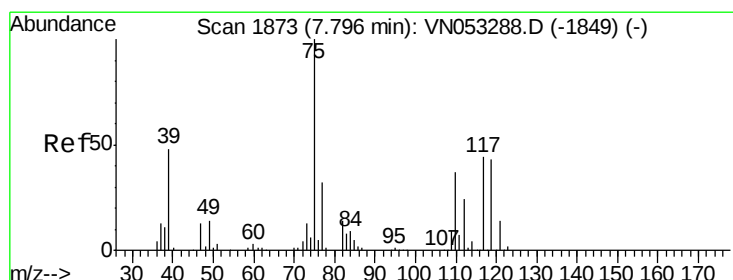
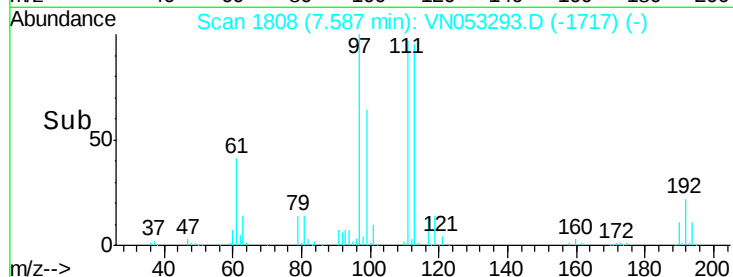
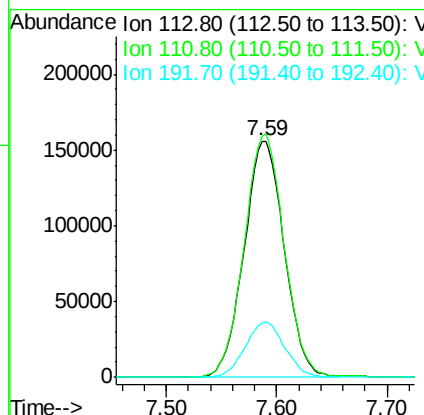
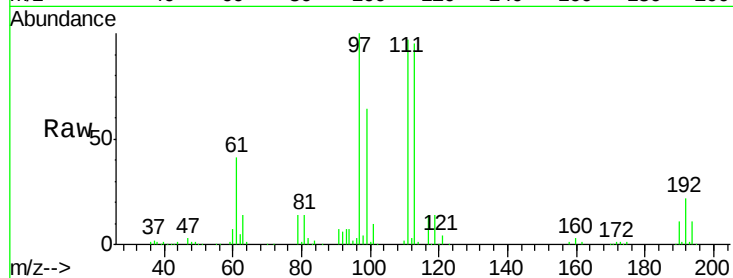




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

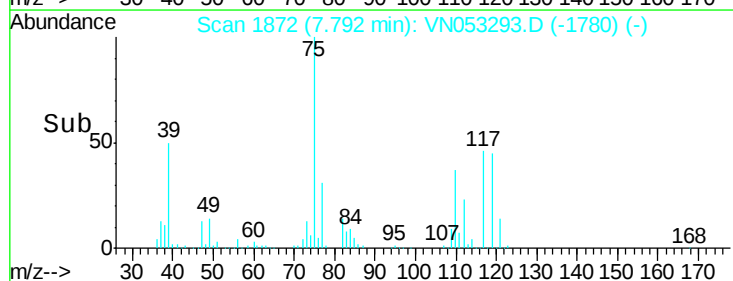
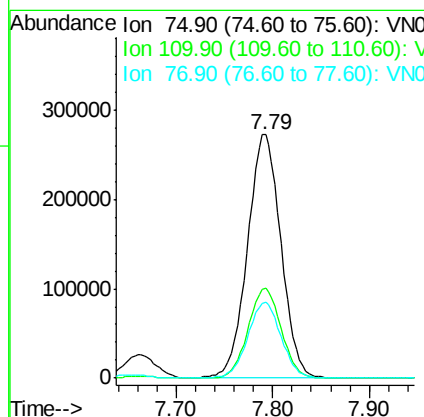
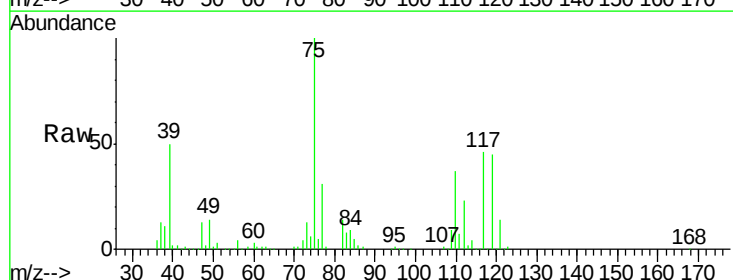
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

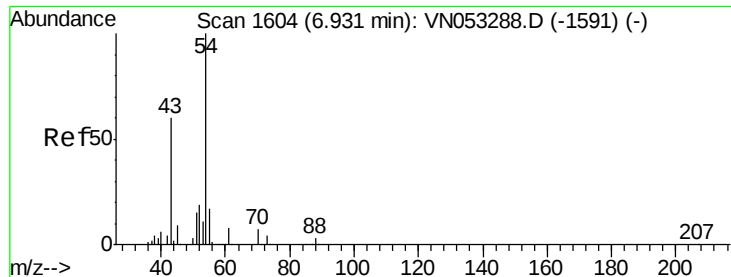
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	23.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 50.670 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.0
77	31.2	25.3	37.9

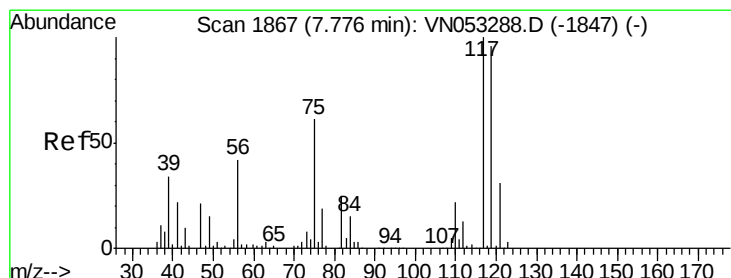
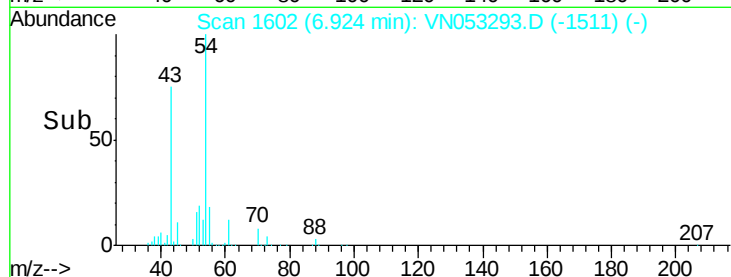
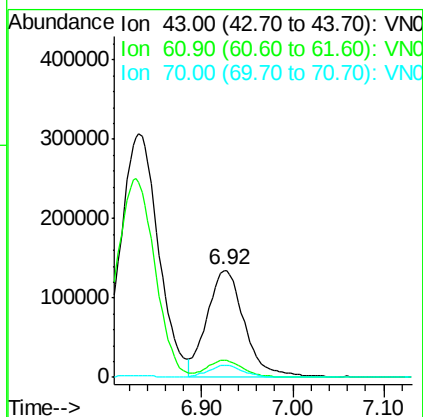
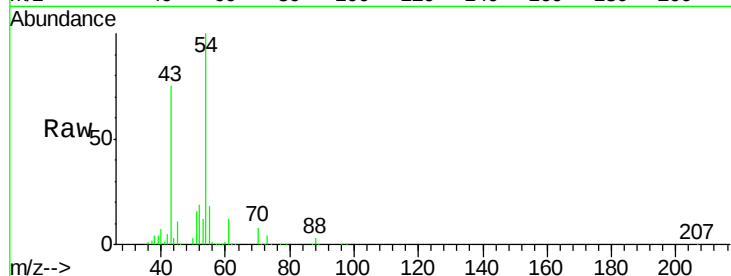




#37
Ethyl Acetate
Concen: 45.400 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

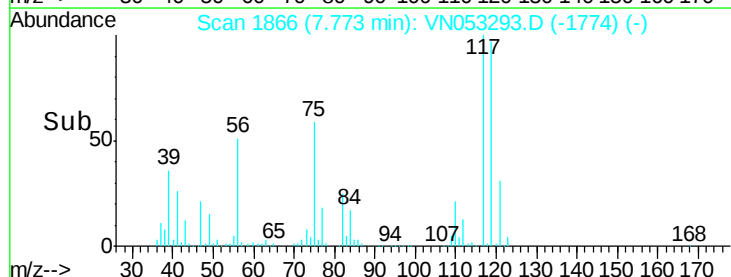
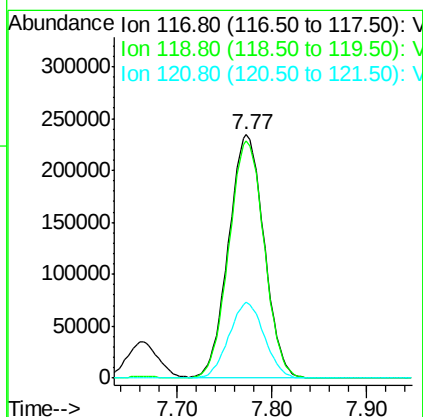
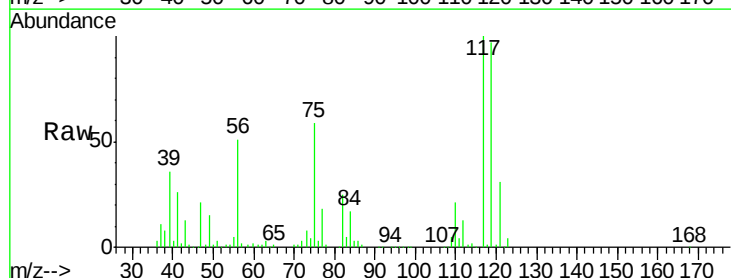
Instrument :
MSVOA_N
ClientSampleId :
BFB

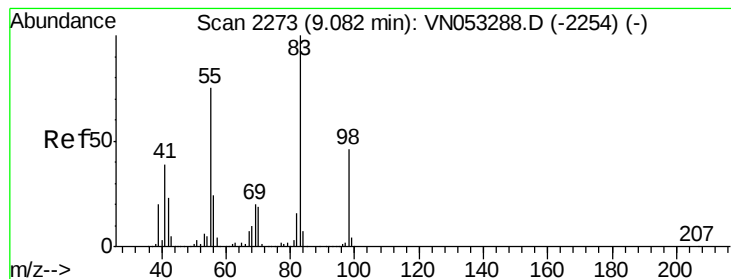
Tot Ion: 43 Resp: 380558
Ion Ratio Lower Upper
43 100
61 15.0 11.9 17.9
70 10.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 51.287 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 117 Resp: 609193
Ion Ratio Lower Upper
117 100
119 97.3 76.6 115.0
121 31.2 25.0 37.4

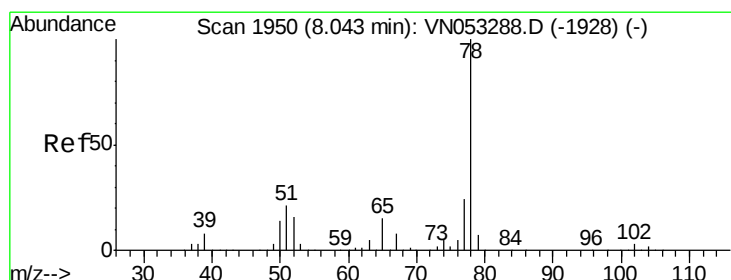
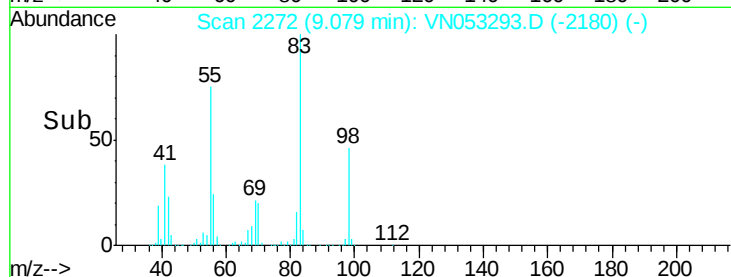
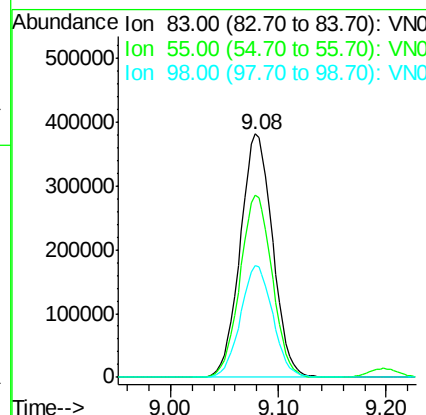
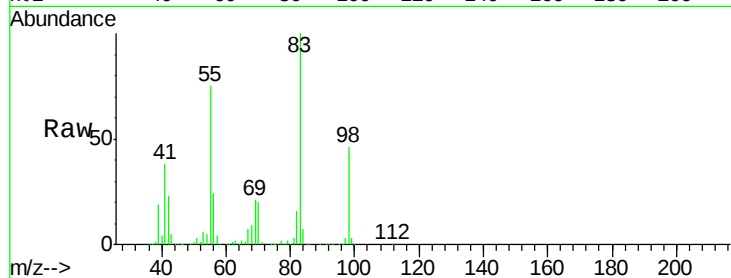




#39
Methvlcvclohexane
Concen: 53.587 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

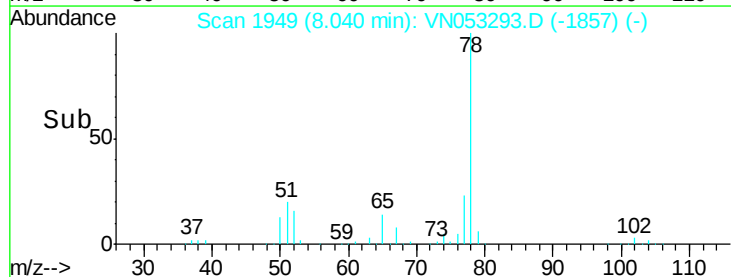
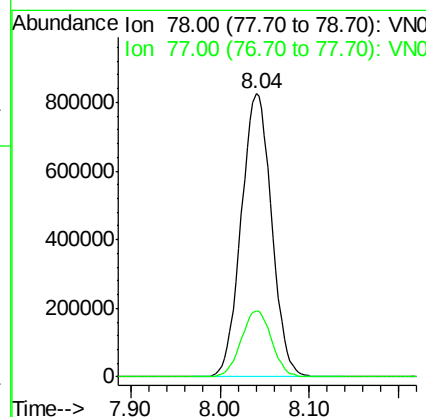
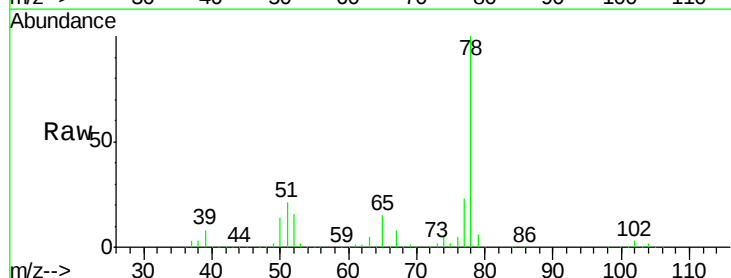
Instrument :
MSVOA_N
ClientSampled :
BFB

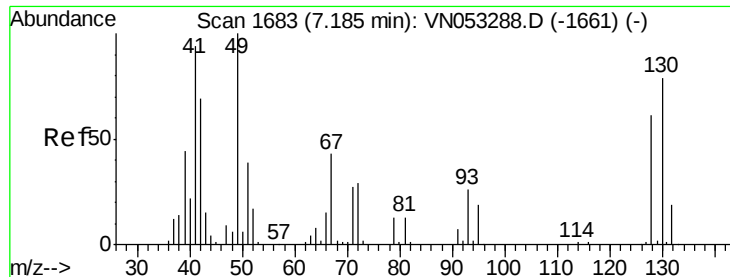
Tot Ion: 83 Resp: 798911
Ion Ratio Lower Upper
83 100
55 74.8 60.1 90.1
98 45.7 36.7 55.1



#40
Benzene
Concen: 49.706 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 78 Resp: 1953904
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

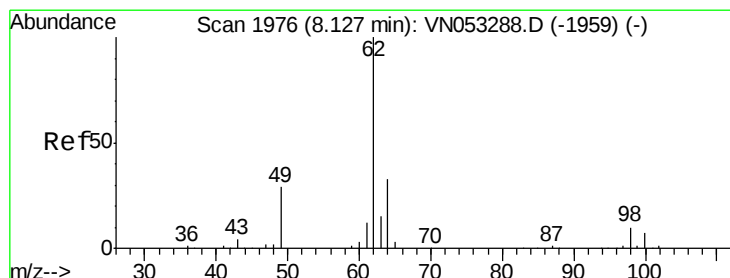
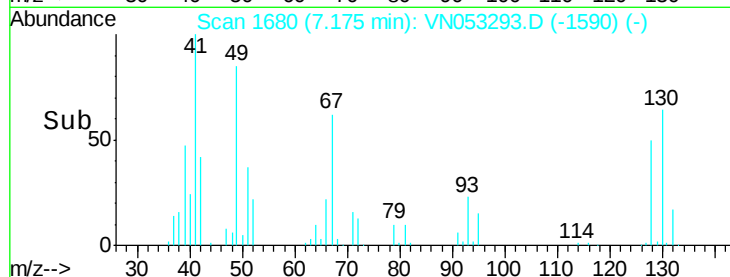
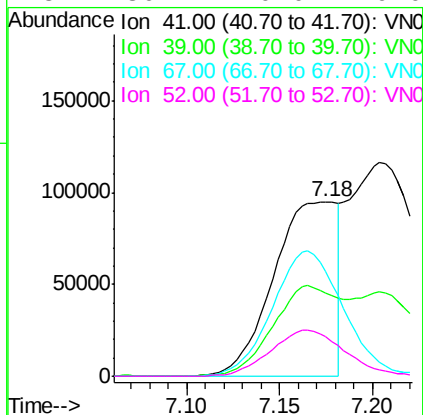
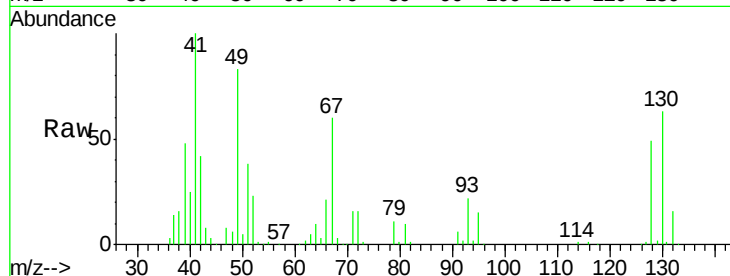




#41
Methacrylonitrile
Concen: 43.460 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

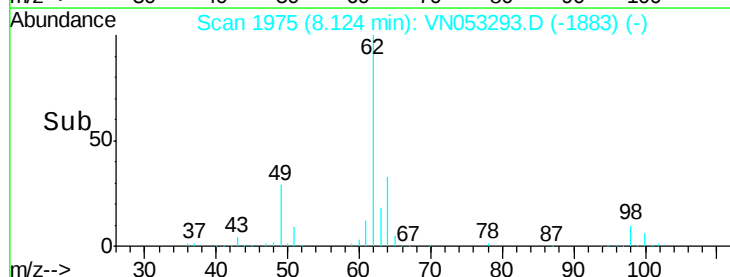
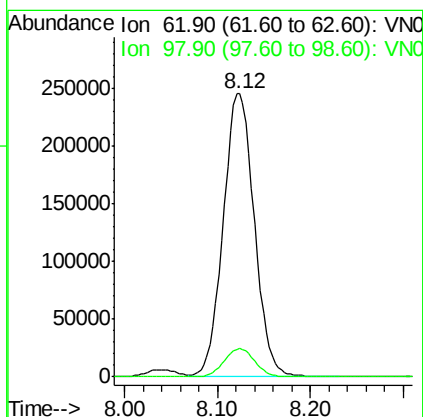
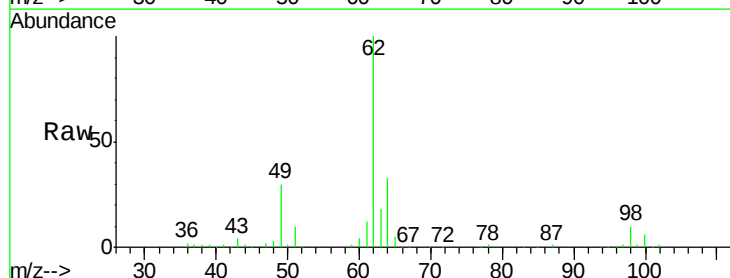
Instrument :
MSVOA_N
ClientSampled :
BFB

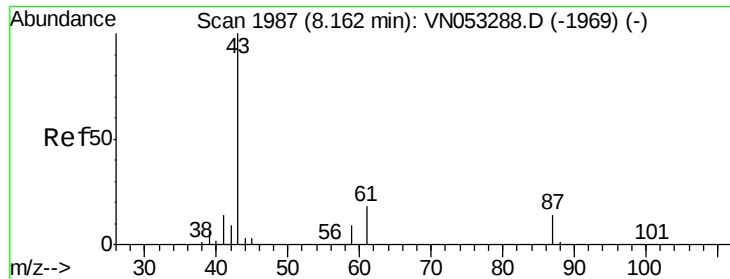
Tot Ion: 41 Resp: 226168
Ion Ratio Lower Upper
41 100
39 53.7 0.0 0.0#
67 80.7 0.0 0.0#
52 30.7 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.733 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 62 Resp: 568240
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2

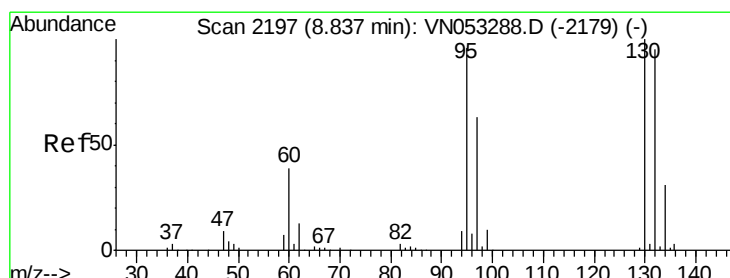
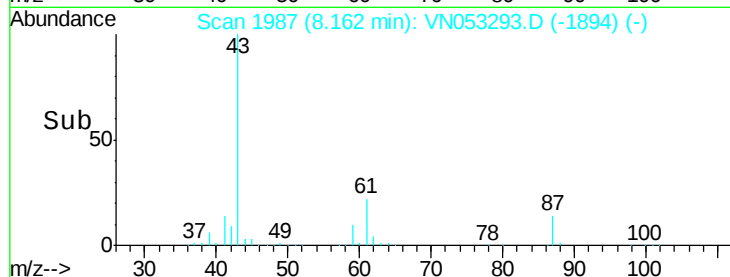
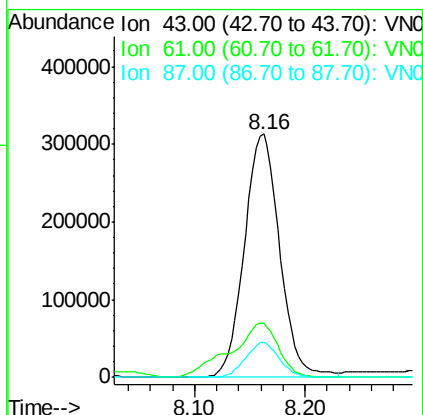
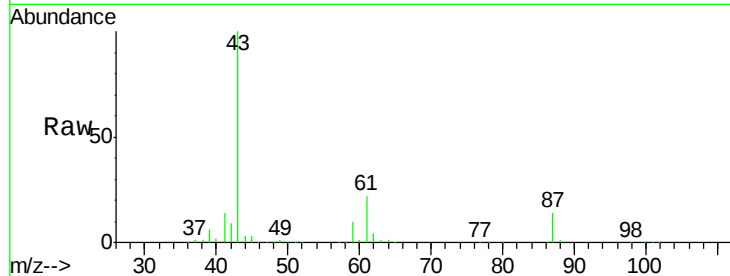




#43
Isopropyl Acetate
Concen: 42.081 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

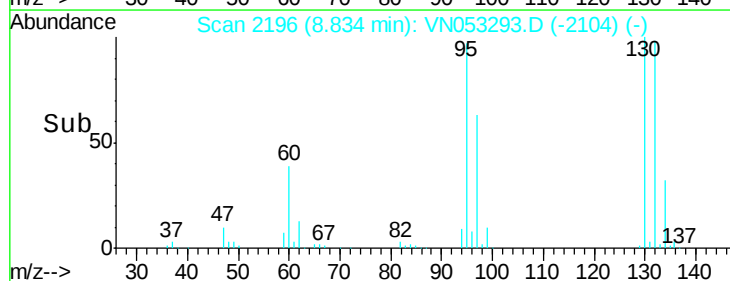
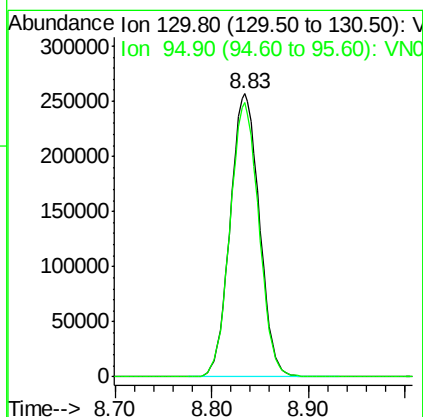
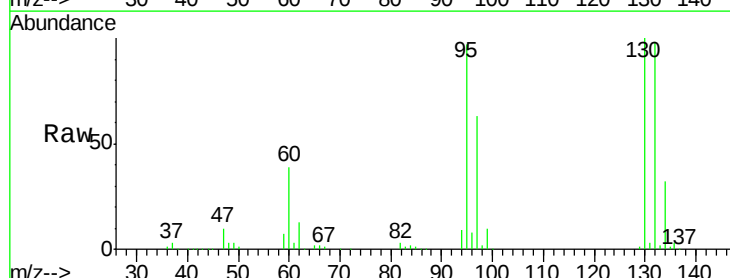
Instrument :
MSVOA_N
ClientSampleId :
BFB

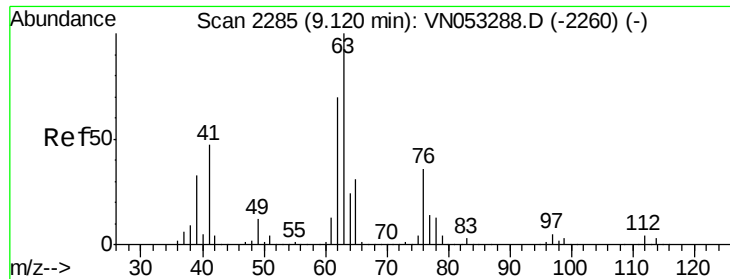
Tot Ion: 43 Resp: 693905
Ion Ratio Lower Upper
43 100
61 30.2 23.3 34.9
87 13.7 10.8 16.2



#44
Trichloroethene
Concen: 49.767 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:130 Resp: 537177
Ion Ratio Lower Upper
130 100
95 96.8 0.0 191.8





#45

1,2-Dichloropropane

Concen: 49.716 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

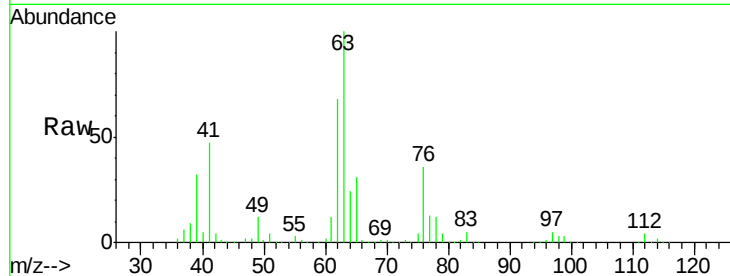
BFB

Tot Ion: 63 Resp: 512577

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

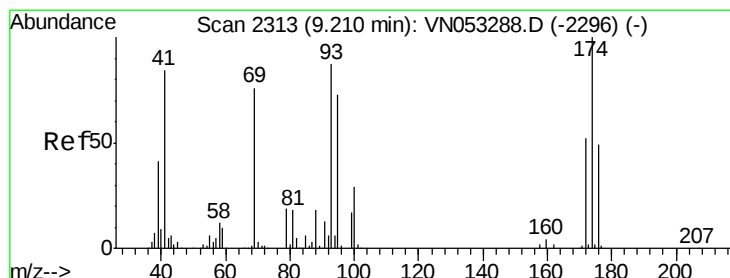
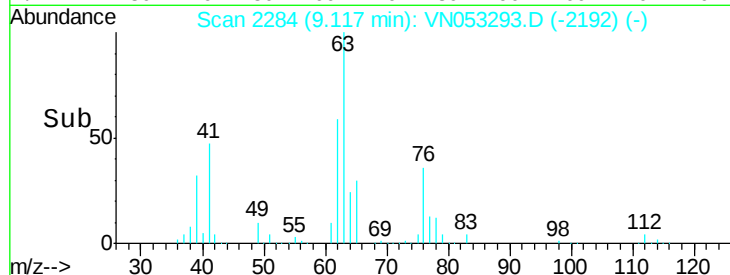
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.906 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

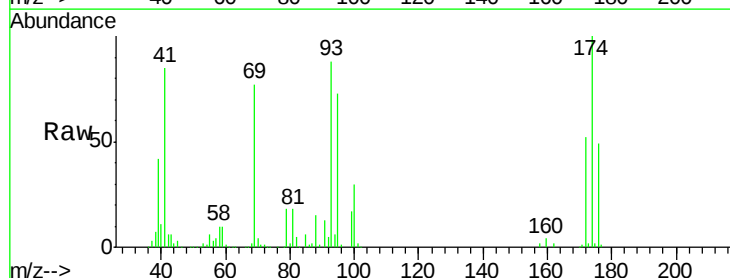
Tgt Ion: 93 Resp: 293996

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 113.9 91.4 137.0



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

200000

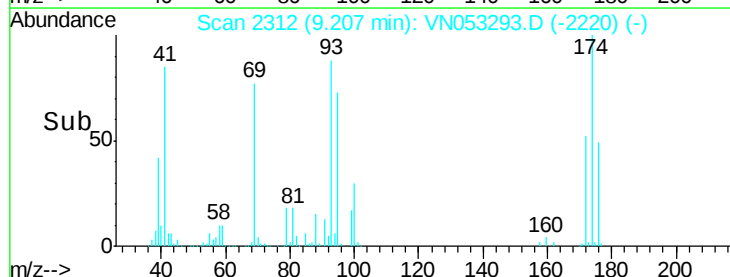
150000

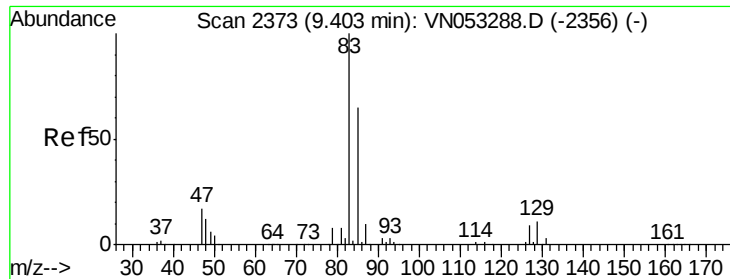
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.988 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

BFB

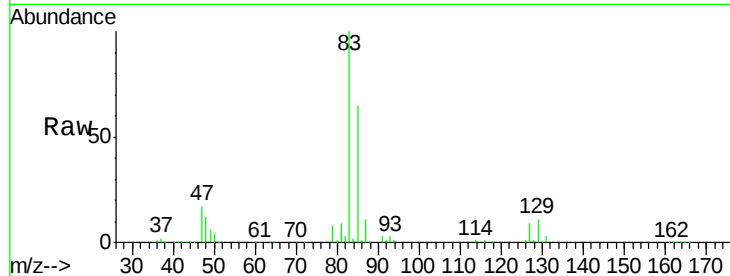
Tot Ion: 83 Resp: 626222

Ion Ratio Lower Upper

83 100

85 64.8 51.7 77.5

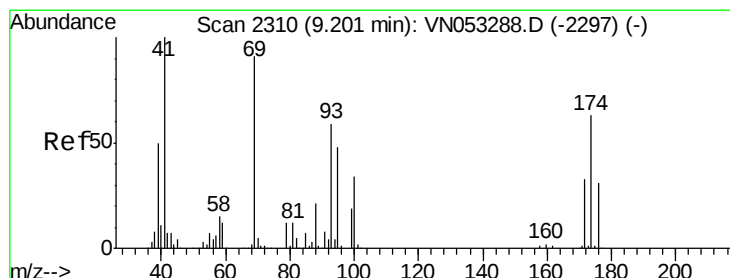
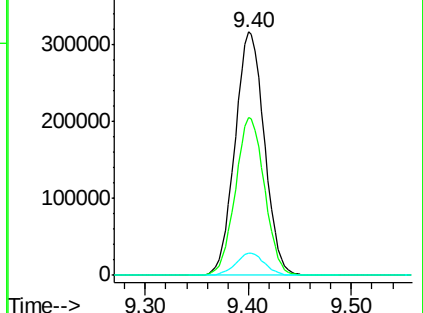
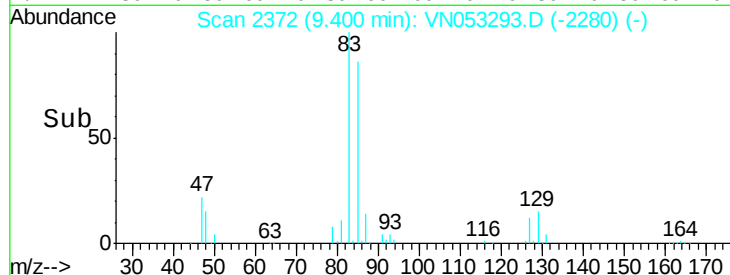
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.554 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

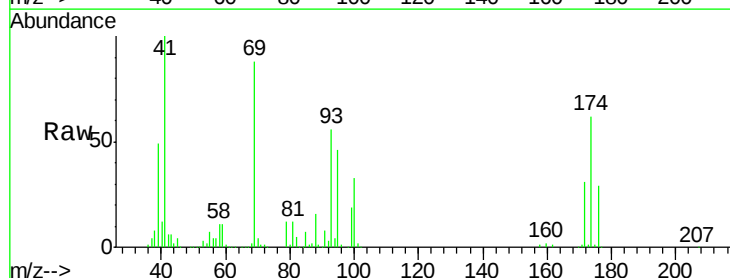
Tgt Ion: 41 Resp: 348767

Ion Ratio Lower Upper

41 100

69 92.9 73.5 110.3

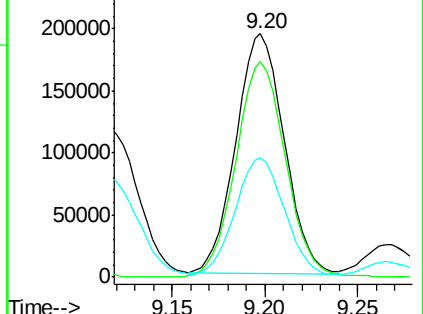
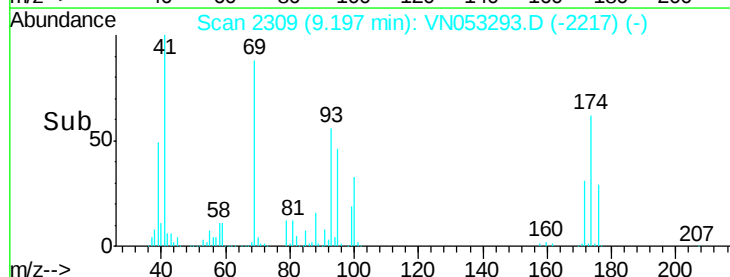
39 51.9 41.6 62.4

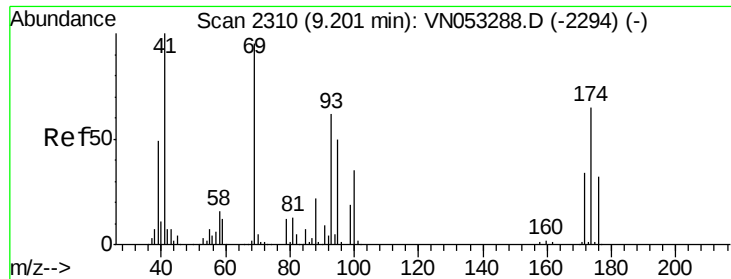


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

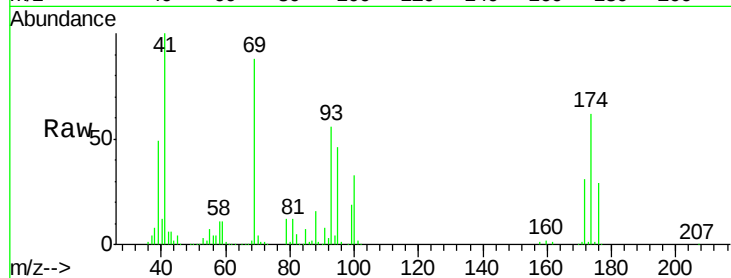




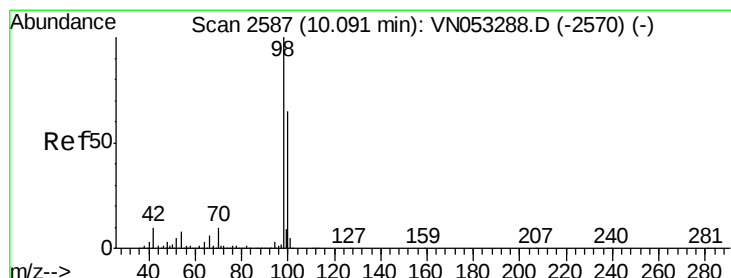
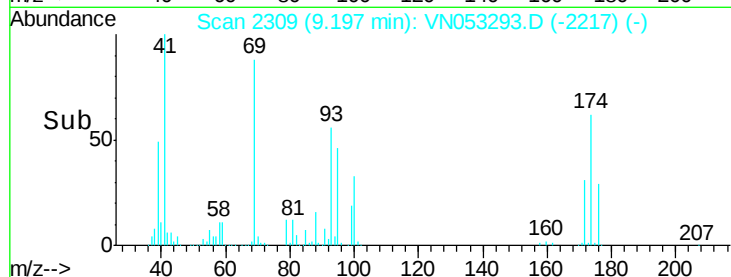
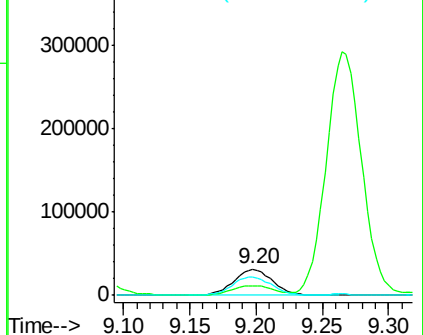
#49
1,4-Dioxane
Concen: 807.264 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 88 Resp: 64434
Ion Ratio Lower Upper
88 100
43 37.1 26.2 39.4
58 71.6 55.5 83.3

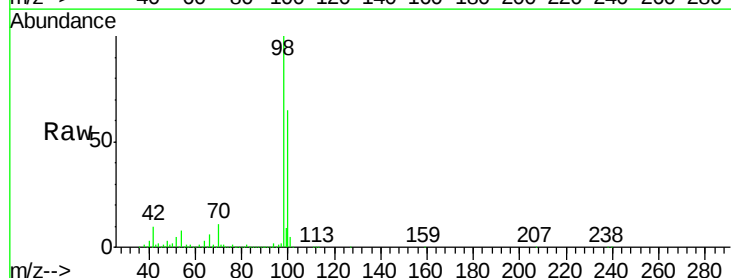


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

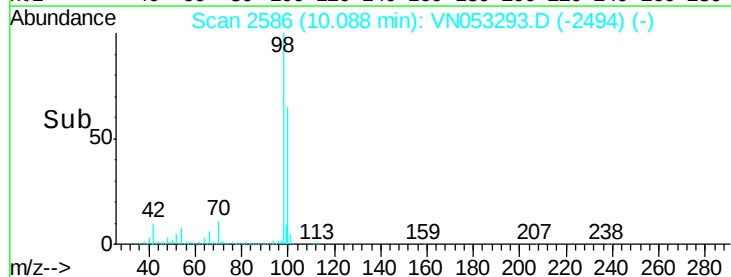
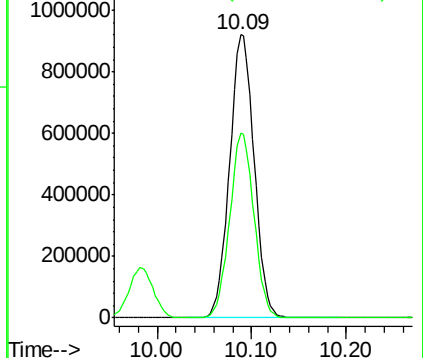


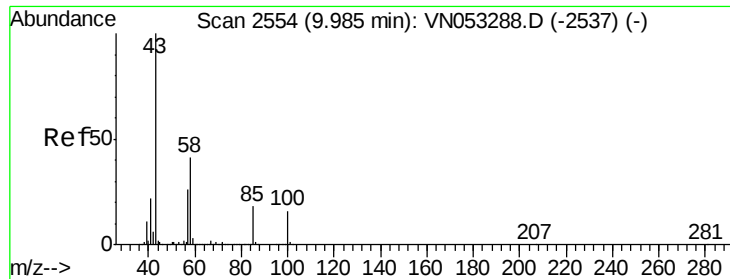
#50
Toluene-d8
Concen: 807.264 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 98 Resp: 1659807
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

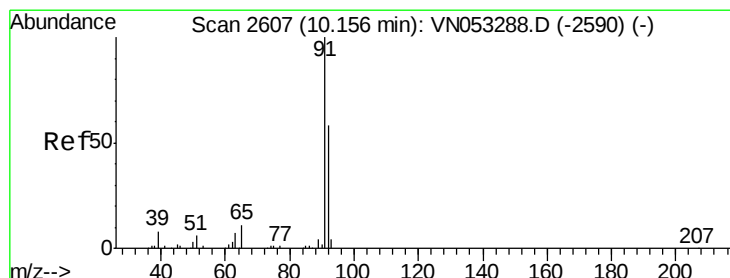
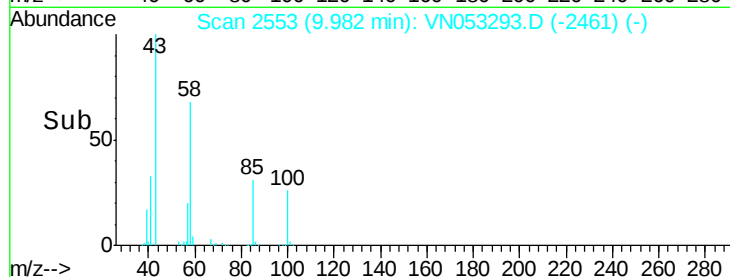
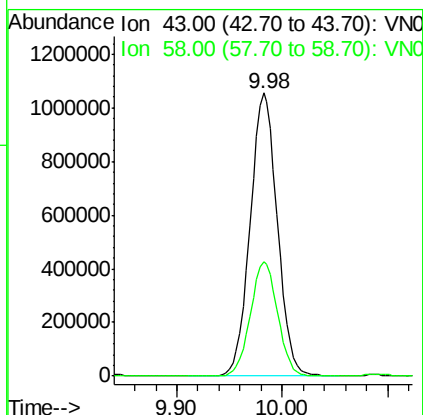
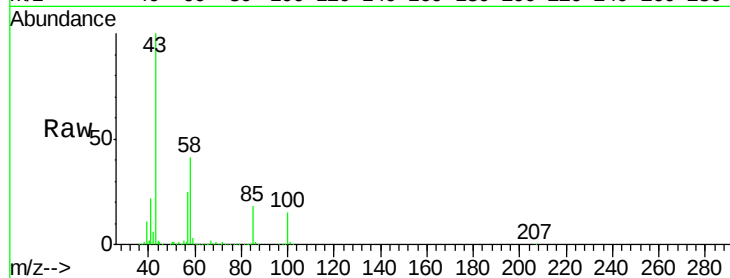




#51
 4-Methyl-2-Pentanone
 Concen: 228.151 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

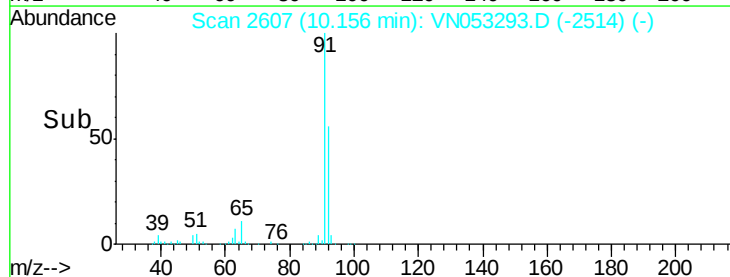
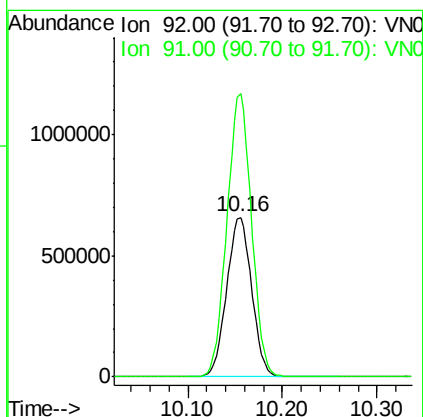
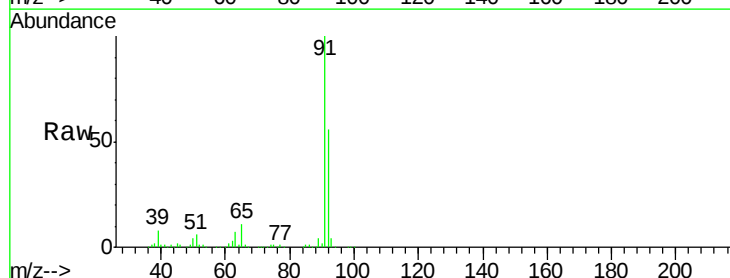
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

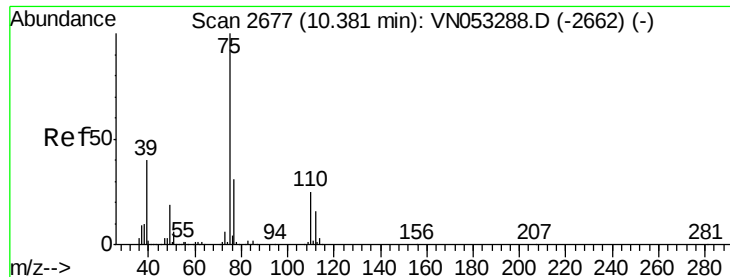
Tot Ion: 43 Resp: 1891945
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.7 49.1



#52
 Toluene
 Concen: 49.984 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 92 Resp: 1205441
 Ion Ratio Lower Upper
 92 100
 91 175.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.305 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

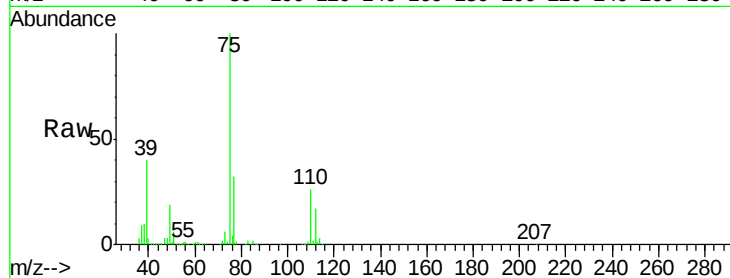
BFB

Tot Ion: 75 Resp: 657497

Ion Ratio Lower Upper

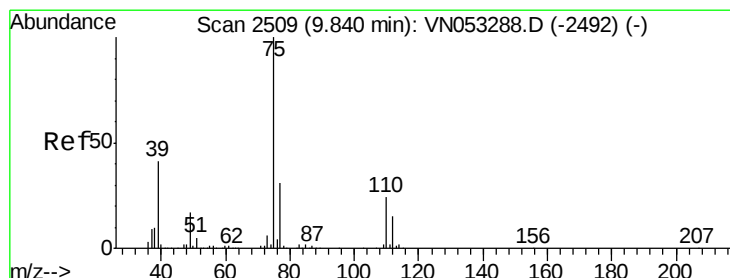
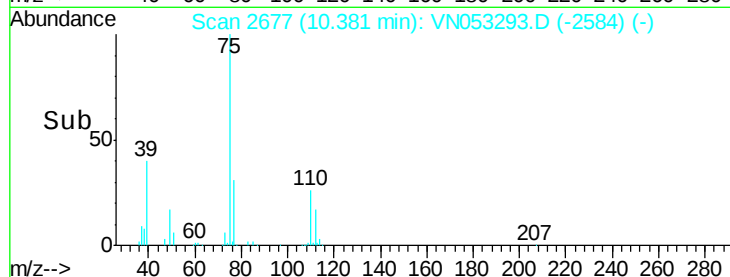
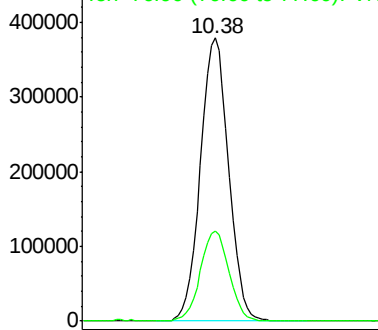
75 100

77 31.5 25.0 37.4



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: 51.861 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

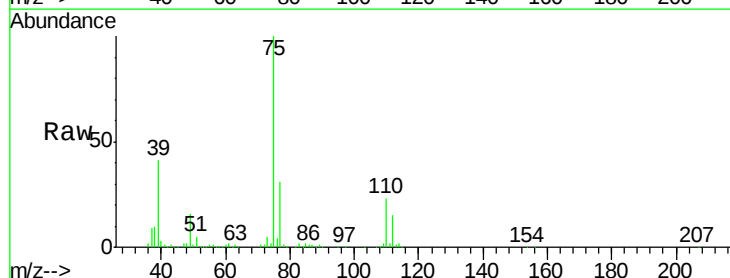
Tgt Ion: 75 Resp: 768006

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

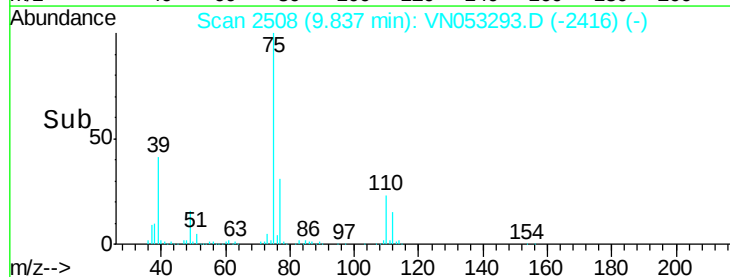
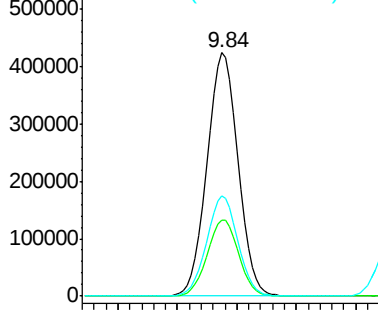
39 41.3 33.1 49.7

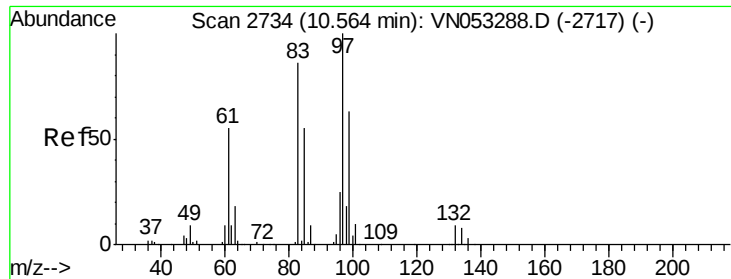


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 47.339 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

BFB

Tot Ion: 97 Resp: 419776

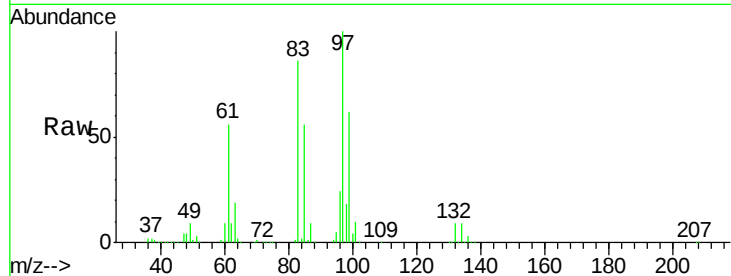
Ion Ratio Lower Upper

97 100

83 86.2 69.1 103.7

85 56.0 44.2 66.4

99 61.8 50.3 75.5

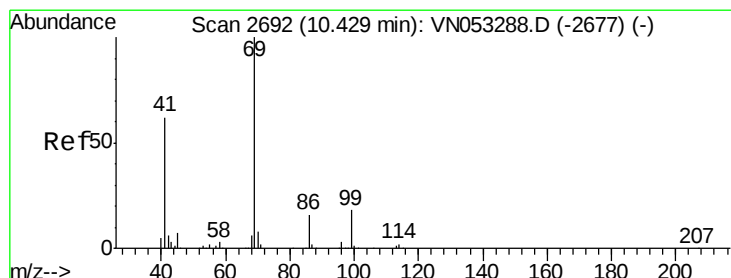
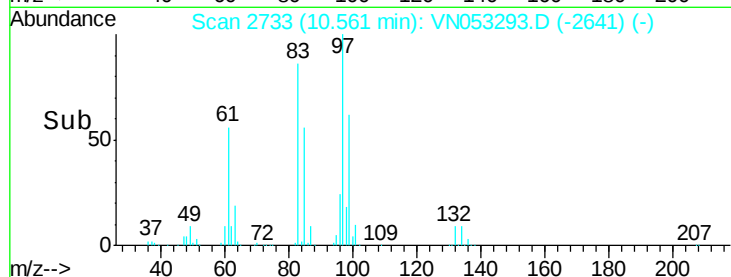
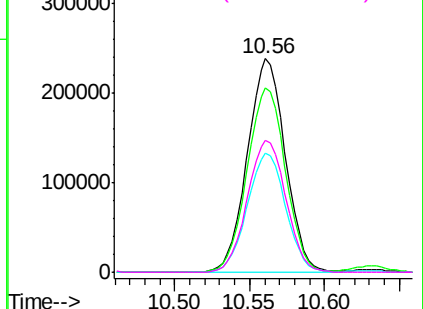


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 48.586 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

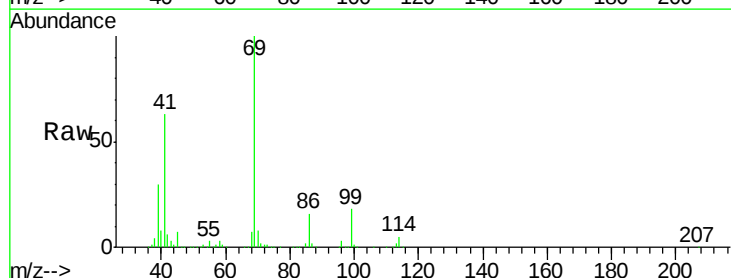
Tgt Ion: 69 Resp: 559870

Ion Ratio Lower Upper

69 100

41 62.6 49.2 73.8

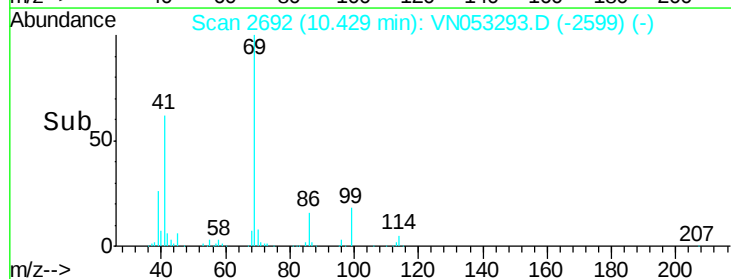
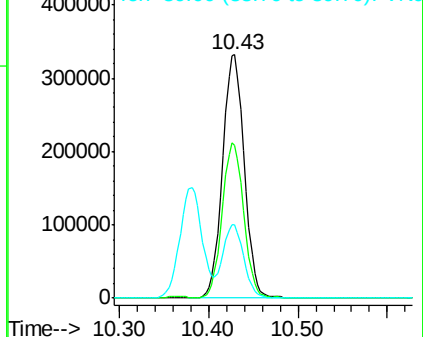
39 29.0 23.4 35.0

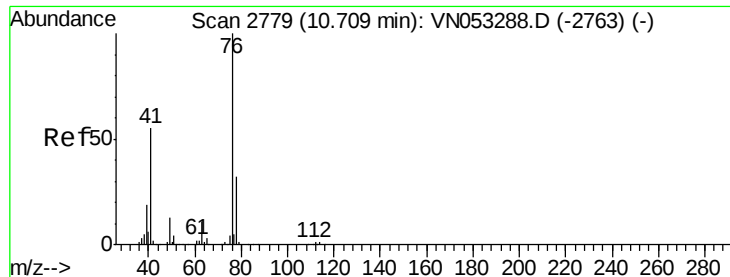


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.898 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

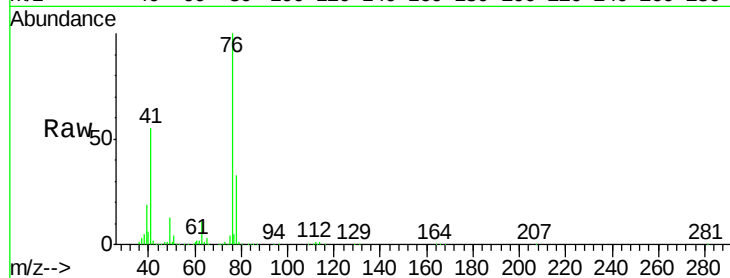
BFB

Tot Ion: 76 Resp: 725114

Ion Ratio Lower Upper

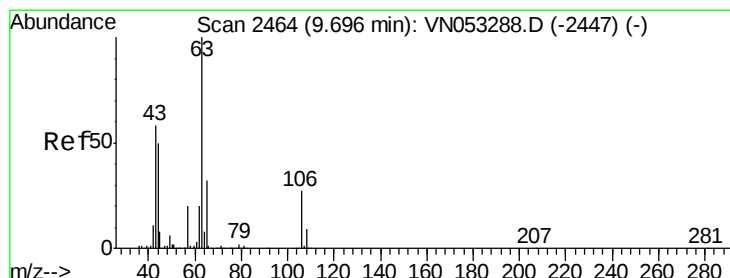
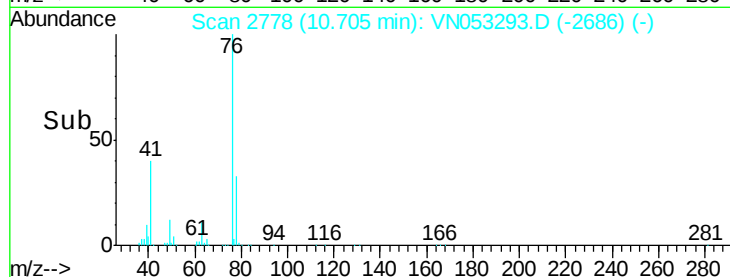
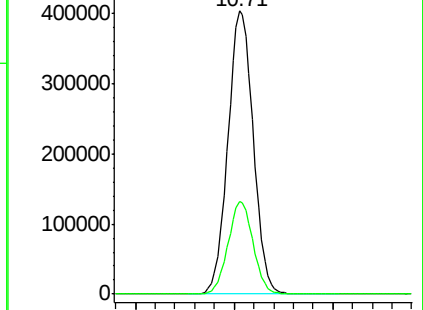
76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 241.033 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053293.D

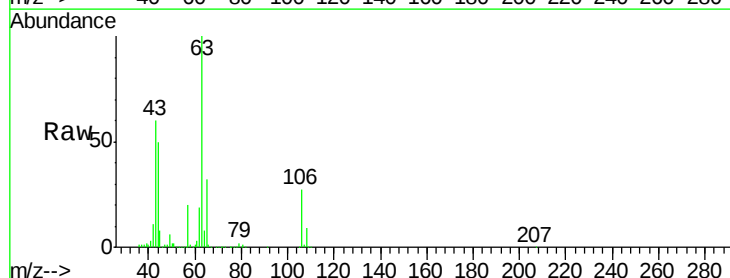
Acq: 7 Jan 2019 9:57

Tgt Ion: 63 Resp: 1501588

Ion Ratio Lower Upper

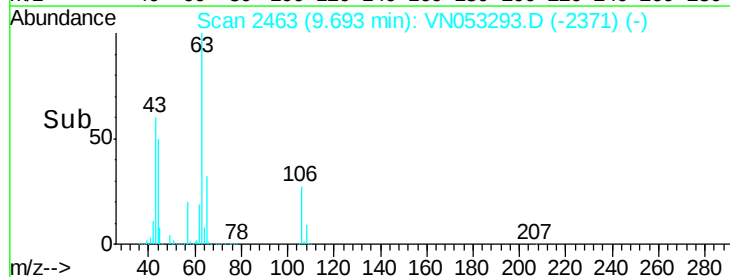
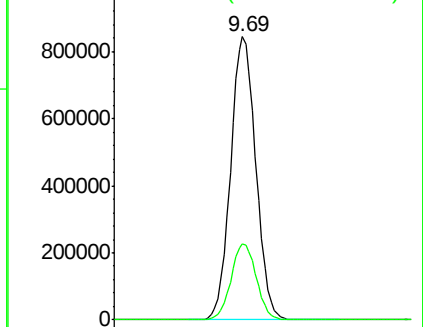
63 100

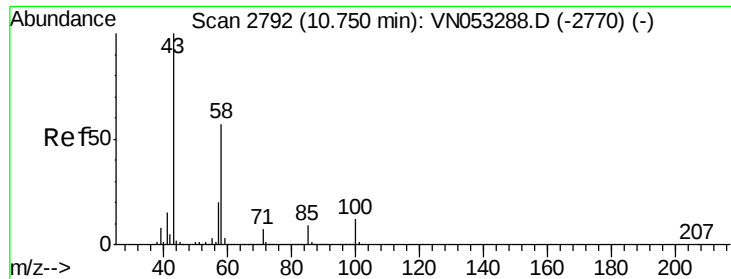
106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

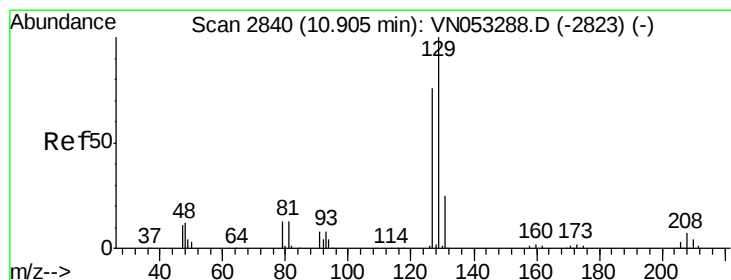
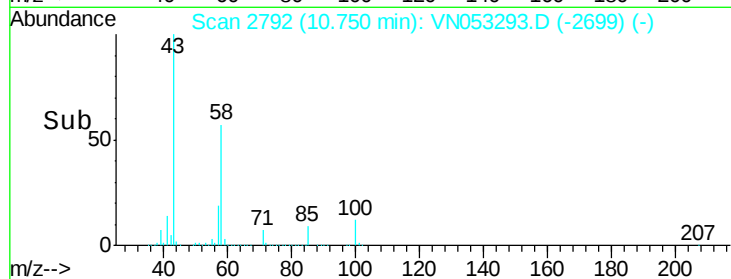
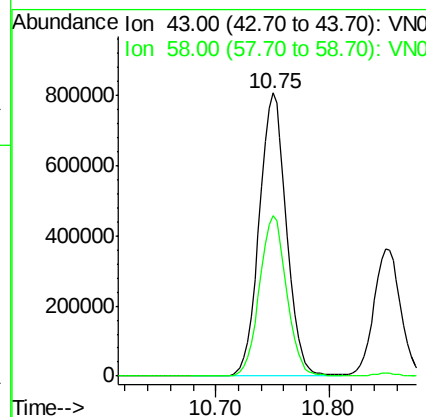
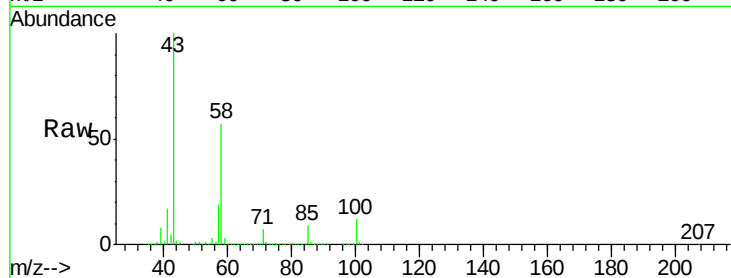




#59
2-Hexanone
Concen: 236.326 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

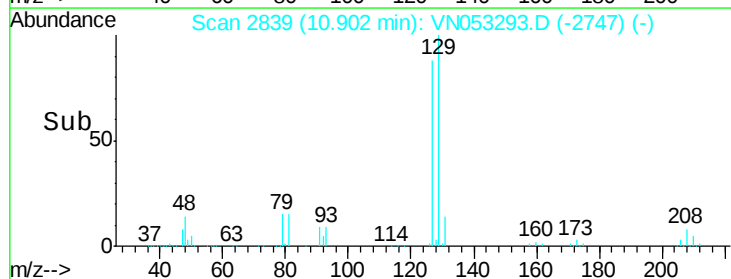
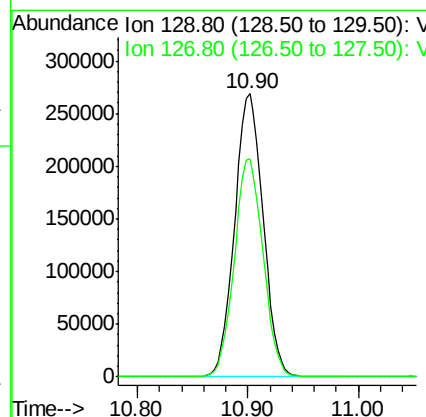
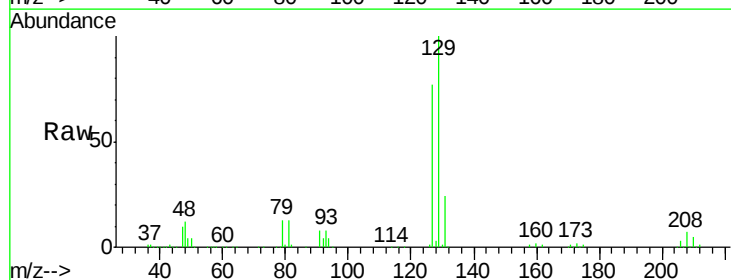
Instrument :
MSVOA_N
ClientSampled :
BFB

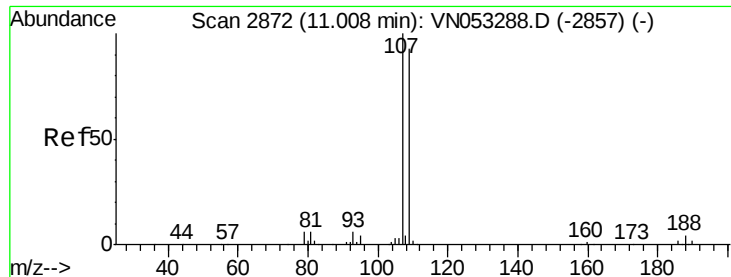
Tot Ion: 43 Resp: 1342738
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 50.544 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 129 Resp: 483415
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2

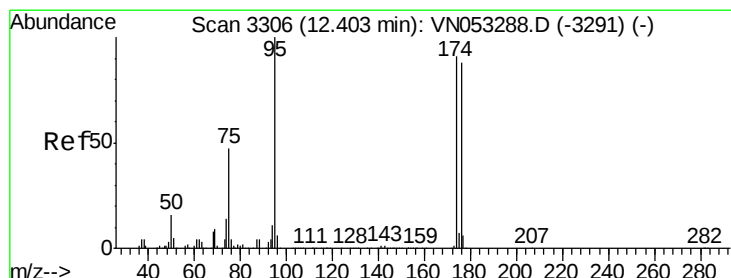
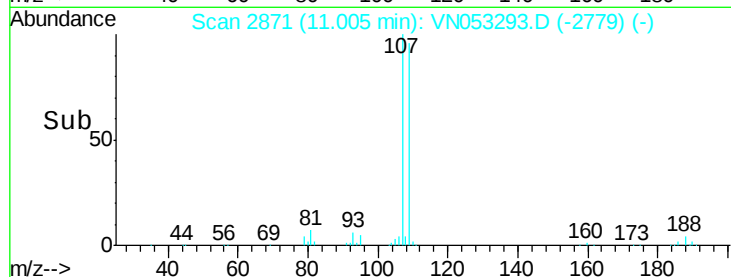
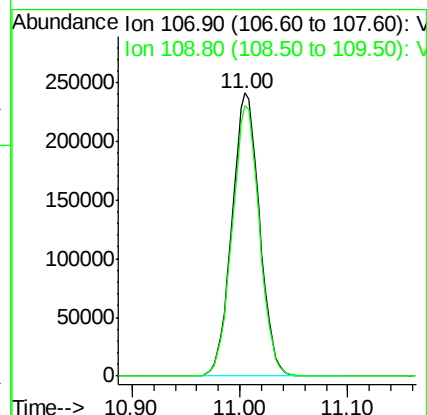
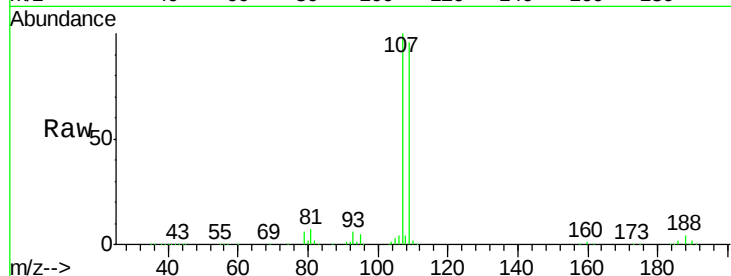




#61
 1,2-Dibromoethane
 Concen: 48.968 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

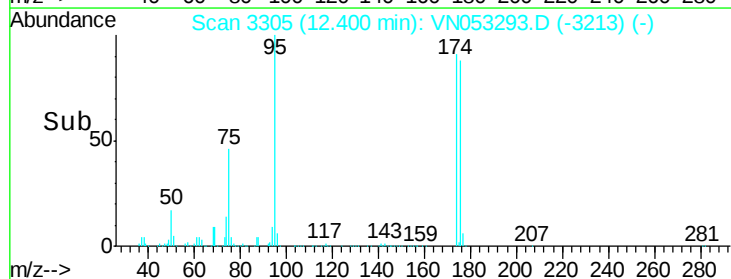
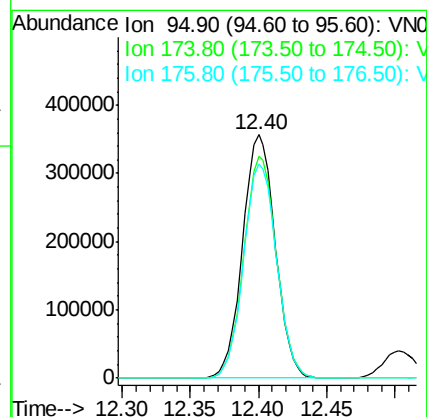
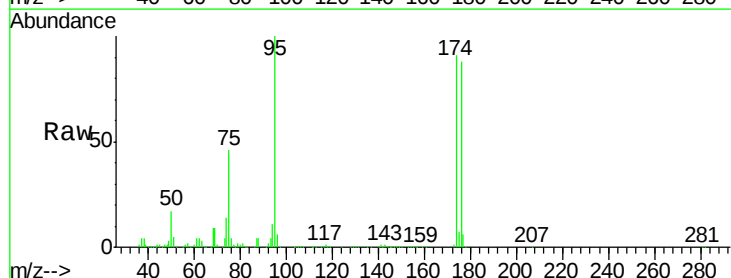
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

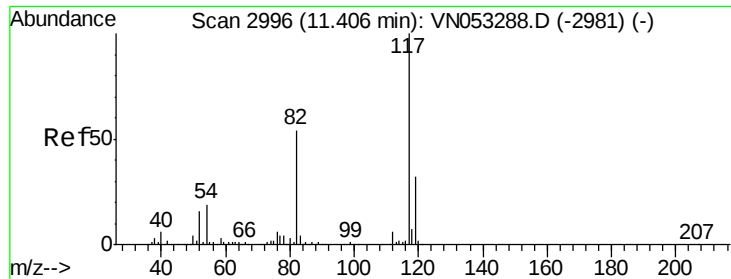
Tot Ion:107 Resp: 428500
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.968 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 95 Resp: 592116
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 180.4
 176 88.9 0.0 175.6

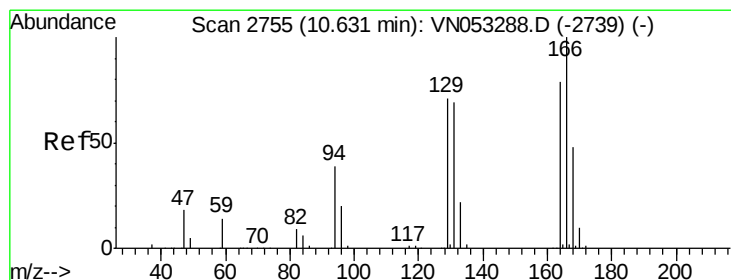
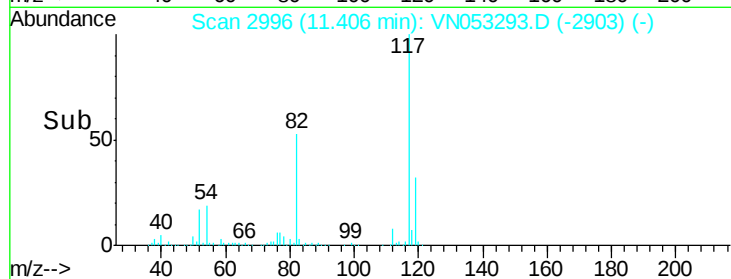
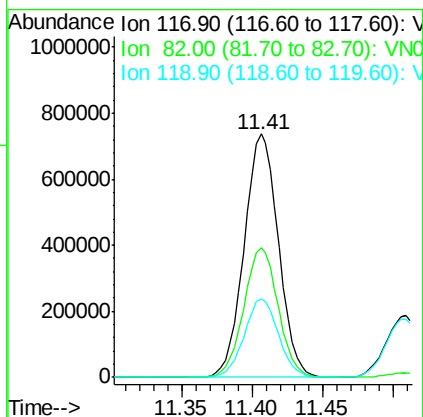
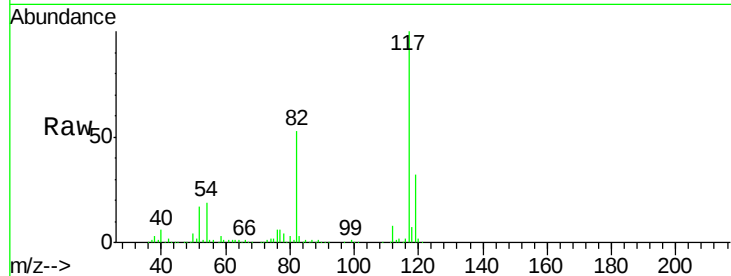




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

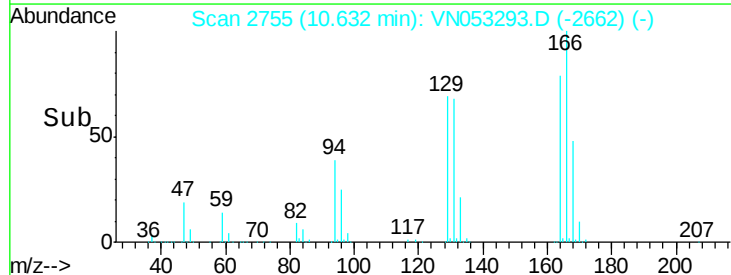
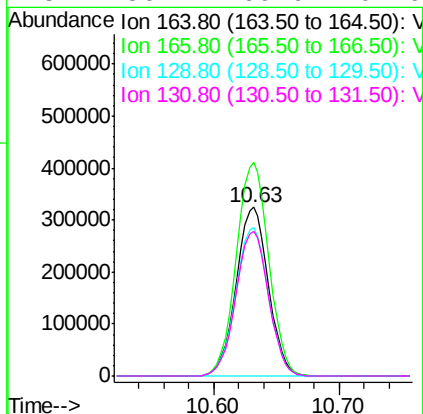
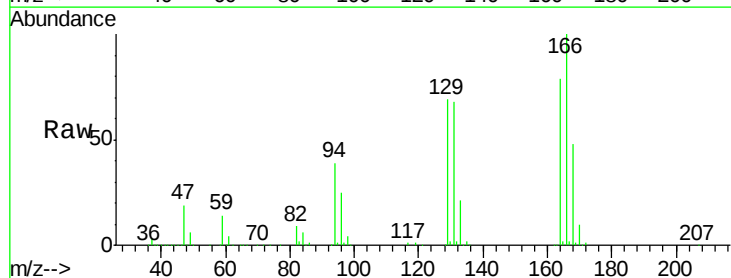
Instrument :
MSVOA_N
ClientSampled :
BFB

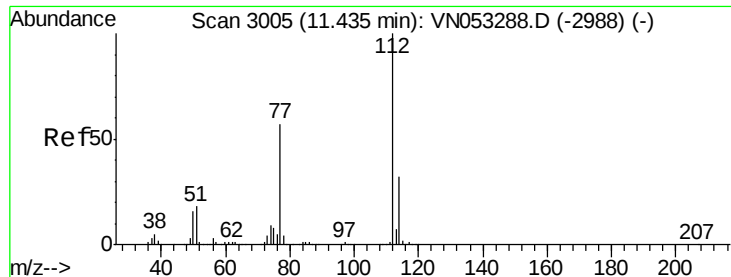
Tot Ion:117 Resp: 1254060
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 48.707 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:164 Resp: 574892
Ion Ratio Lower Upper
164 100
166 126.7 101.7 152.5
129 87.8 72.1 108.1
131 86.1 69.9 104.9

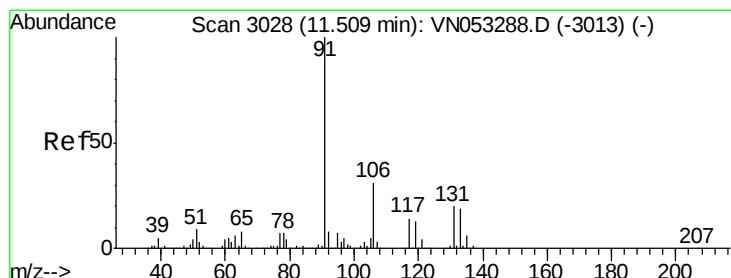
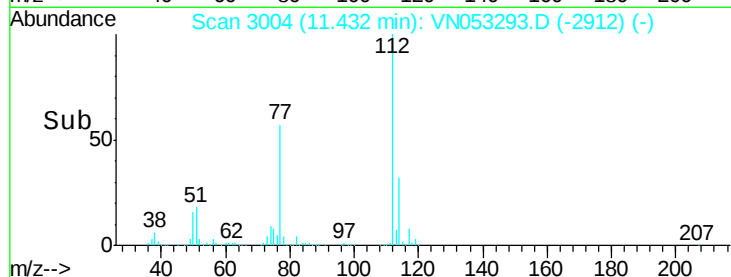
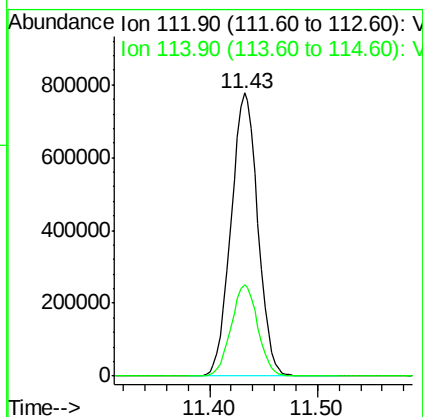
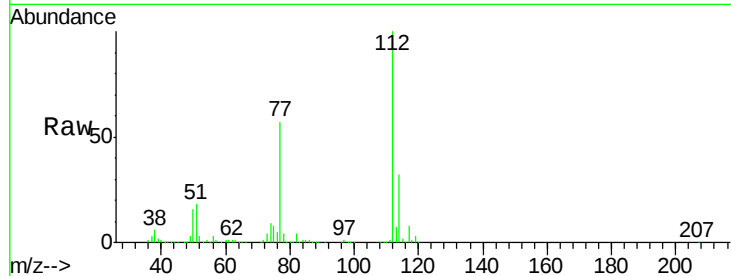




#65
Chlorobenzene
Concen: 49.341 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

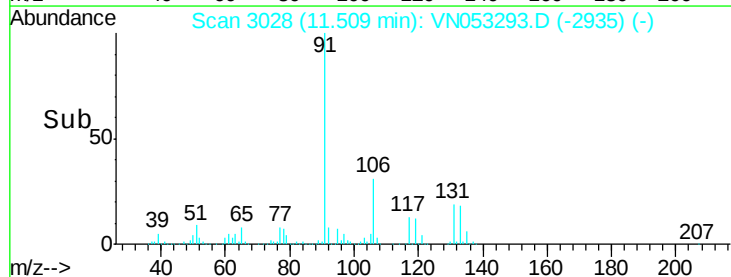
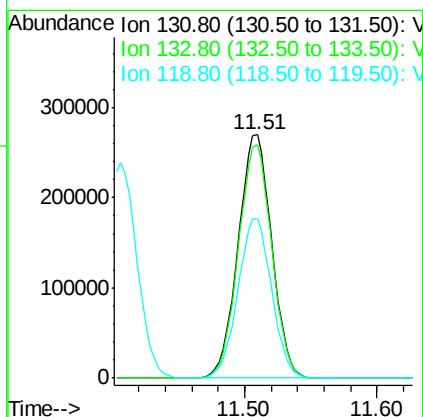
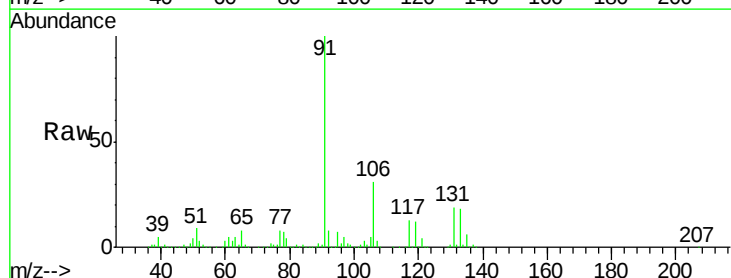
Instrument :
MSVOA_N
ClientSampled :
BFB

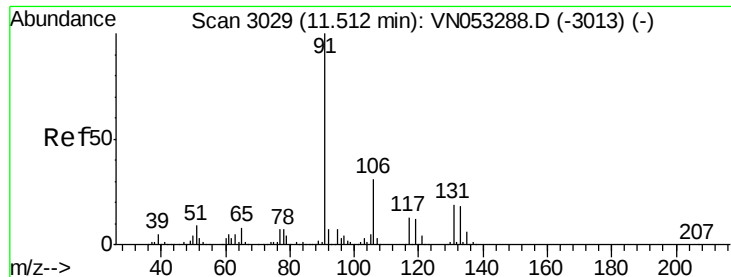
Tot Ion:112 Resp: 1344176
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.584 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:131 Resp: 472807
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 65.8 33.3 99.9





#67

Ethyl Benzene

Concen: 50.702 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

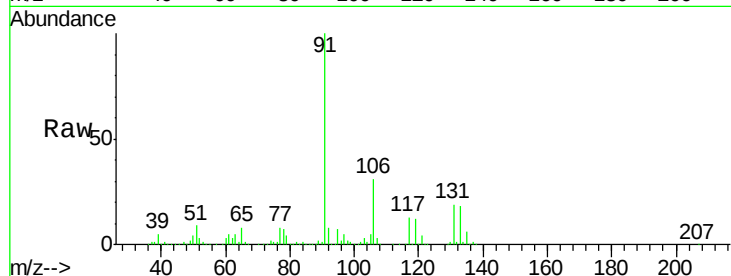
BFB

Tot Ion: 91 Resp: 2347079

Ion Ratio Lower Upper

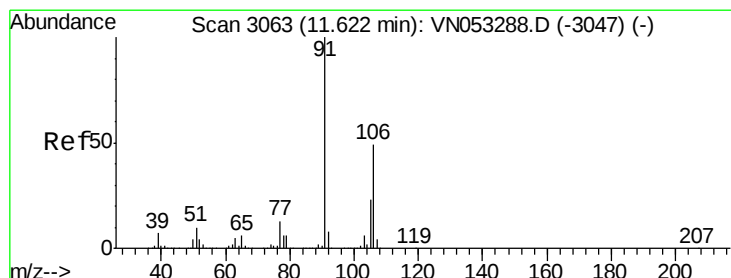
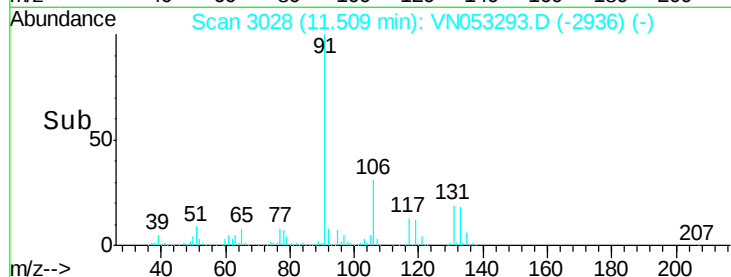
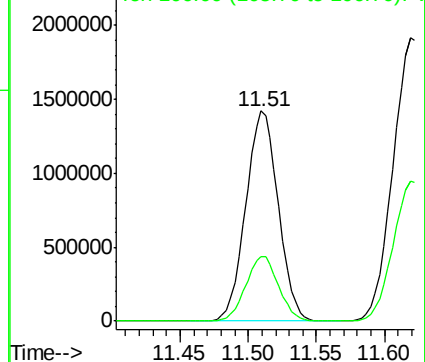
91 100

106 30.9 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.510 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053293.D

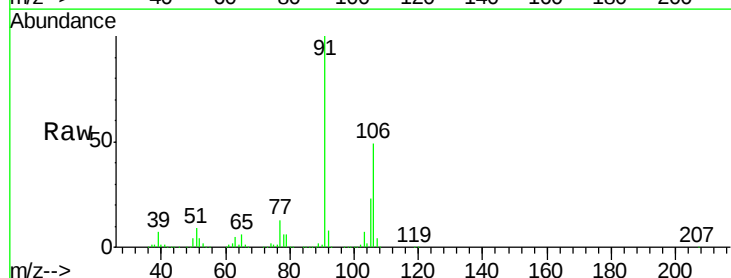
Acq: 7 Jan 2019 9:57

Tgt Ion:106 Resp: 1801785

Ion Ratio Lower Upper

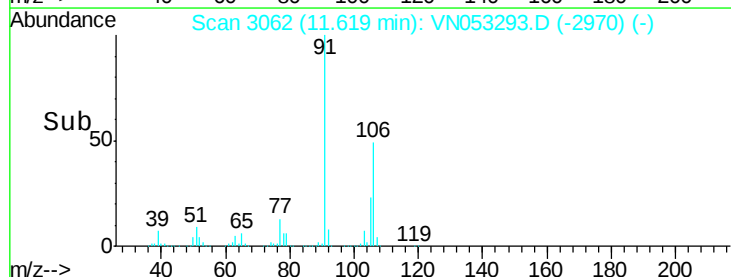
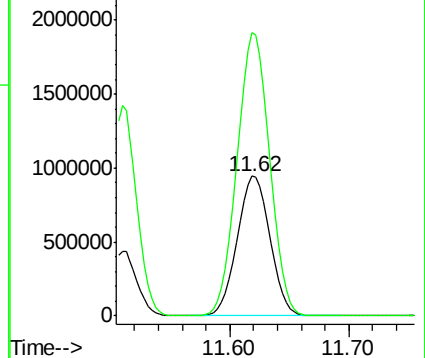
106 100

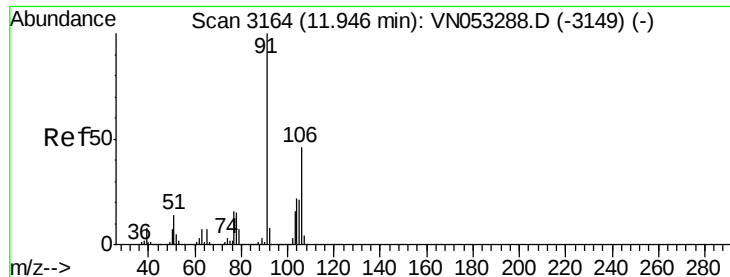
91 201.6 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

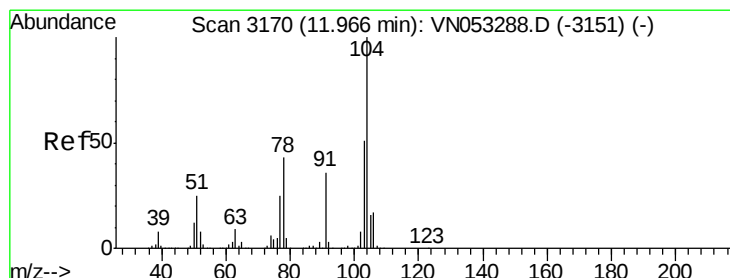
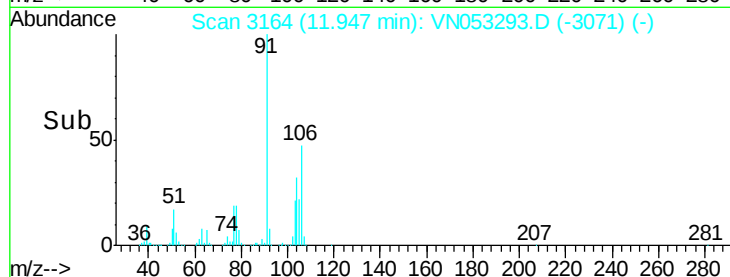
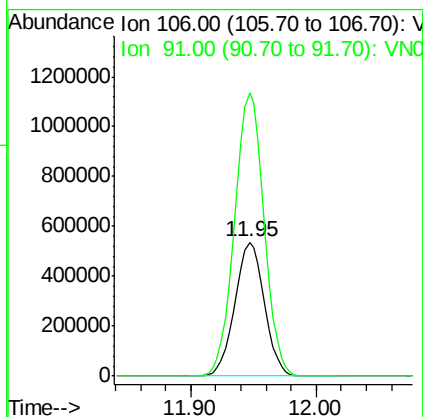
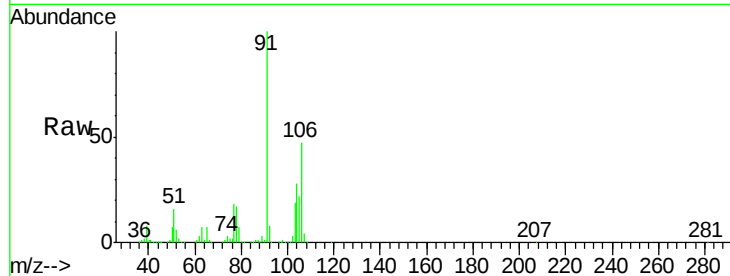




#69
o-Xylene
Concen: 51.337 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

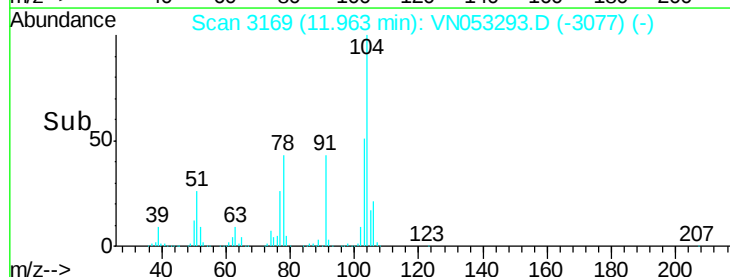
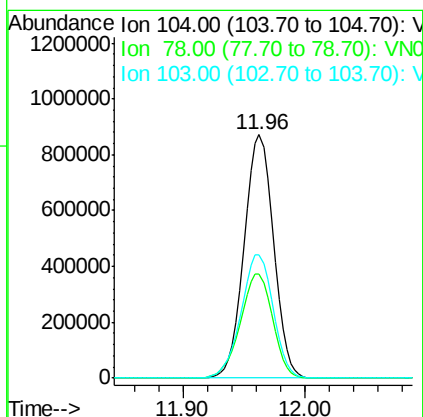
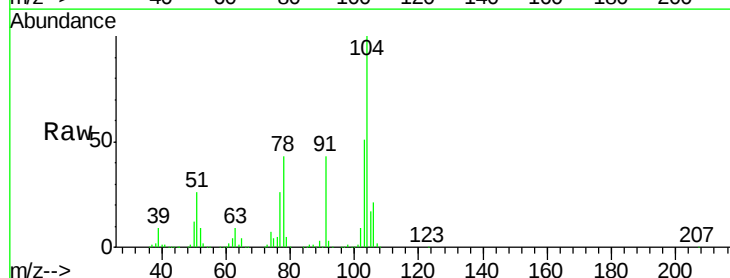
Instrument :
MSVOA_N
ClientSampled :
BFB

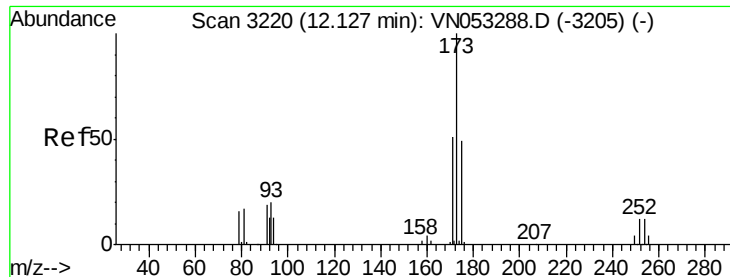
Tot Ion:106 Resp: 874869
Ion Ratio Lower Upper
106 100
91 211.7 106.8 320.4



#70
Styrene
Concen: 52.004 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:104 Resp: 1442329
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 55.5 44.5 66.7

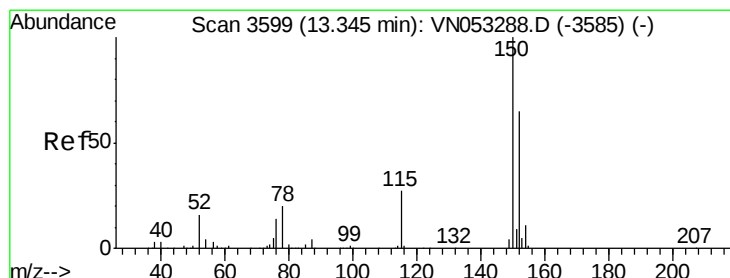
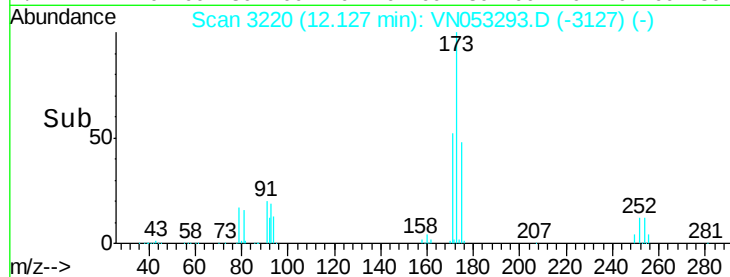
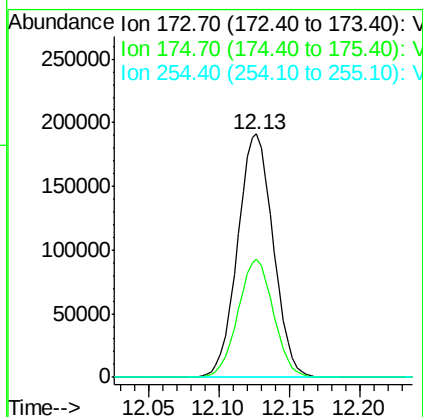
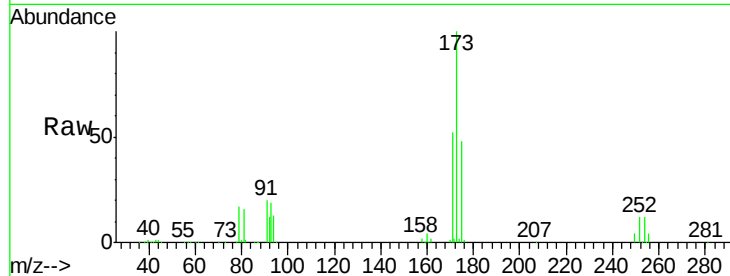




#71
Bromoform
Concen: 50.111 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

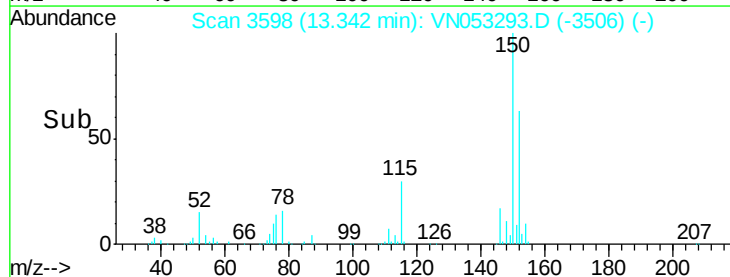
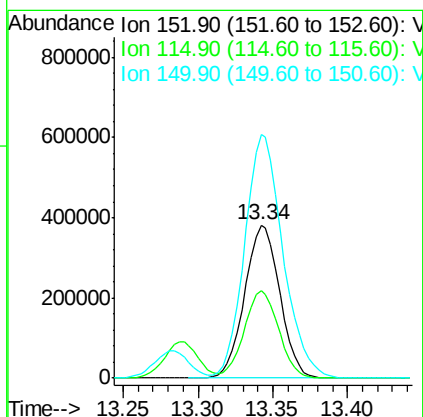
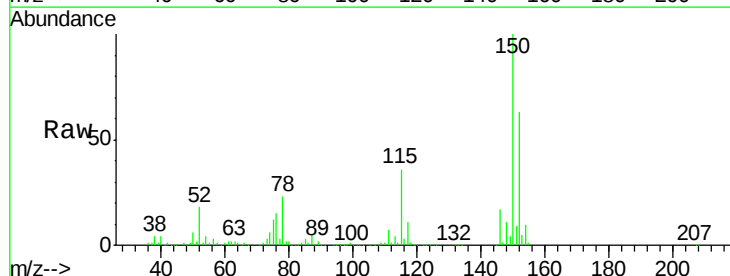
Instrument :
MSVOA_N
ClientSampled :
BFB

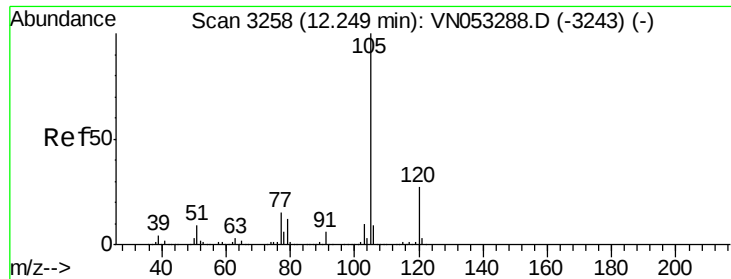
Tot Ion:173 Resp: 337509
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.8
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:152 Resp: 622255
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 173.6 0.0 346.6





#73

Isopropylbenzene

Concen: 49.936 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

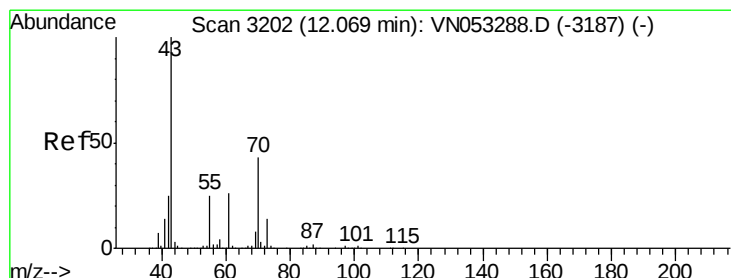
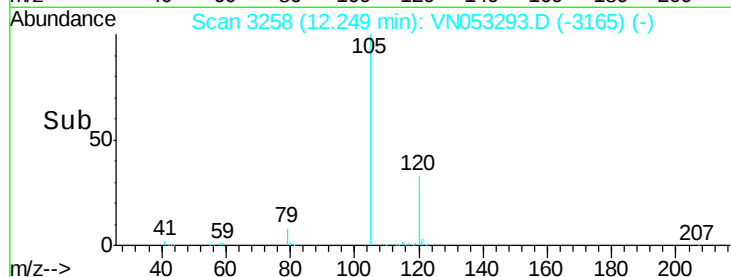
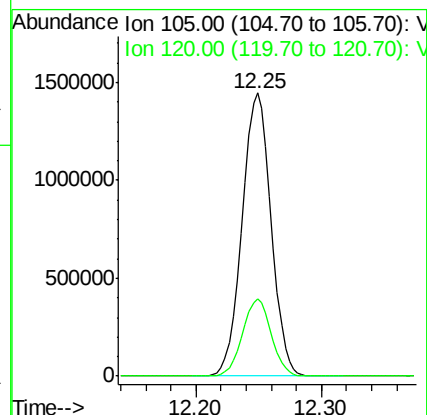
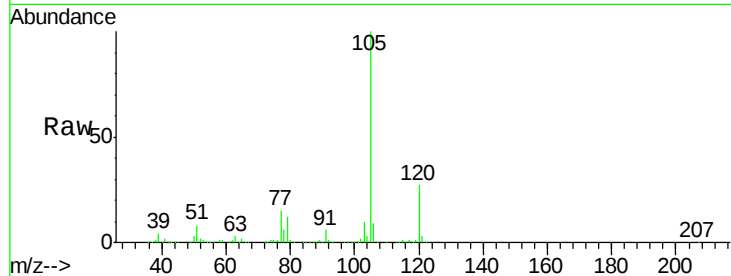
BFB

Tot Ion:105 Resp: 2313443

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 45.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion: 43 Resp: 633096

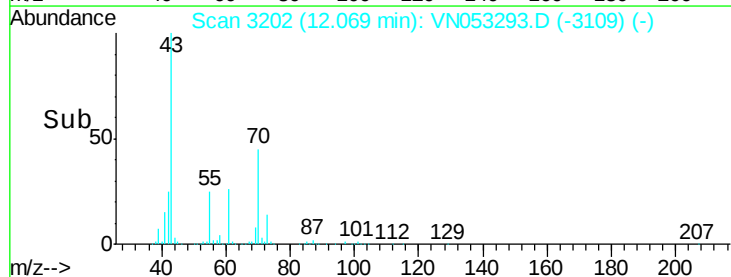
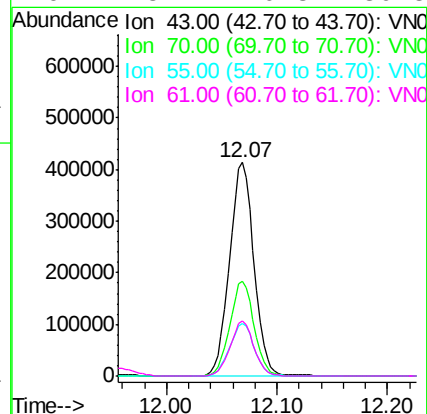
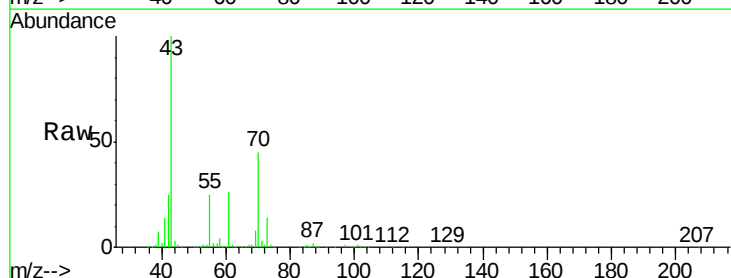
Ion Ratio Lower Upper

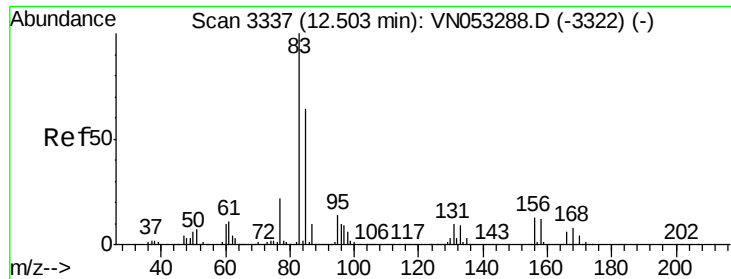
43 100

70 44.2 35.0 52.6

55 25.2 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.181 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

BFB

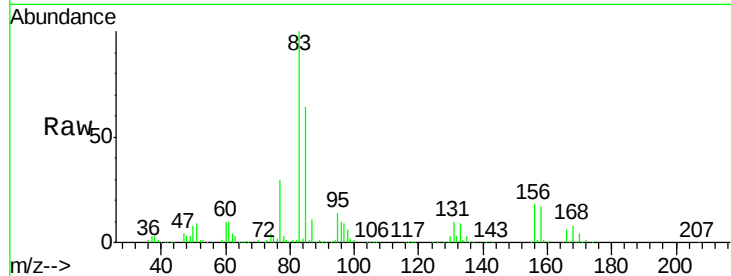
Tot Ion: 83 Resp: 470844

Ion Ratio Lower Upper

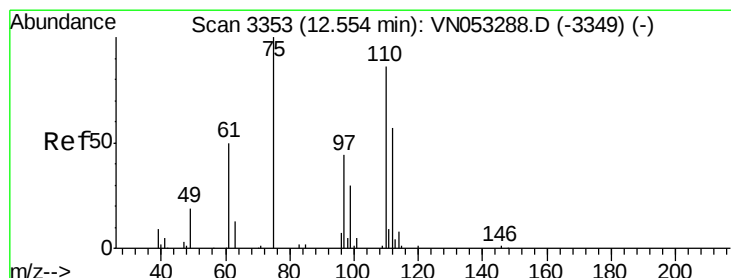
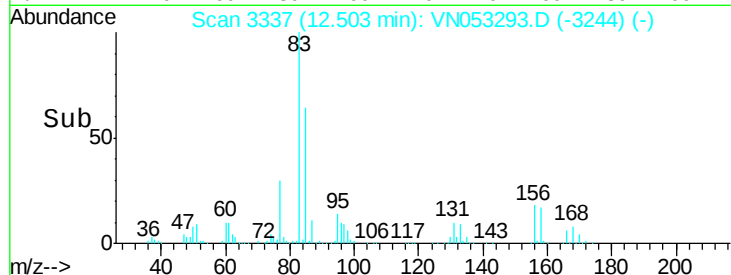
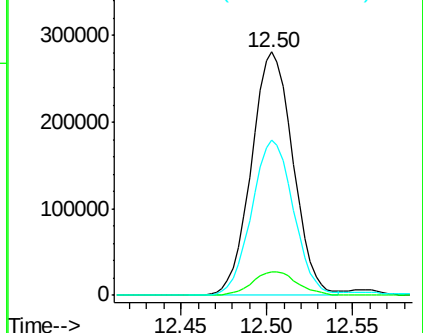
83 100

131 10.5 5.3 15.9

85 64.0 32.3 96.8



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: 71.985 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053293.D

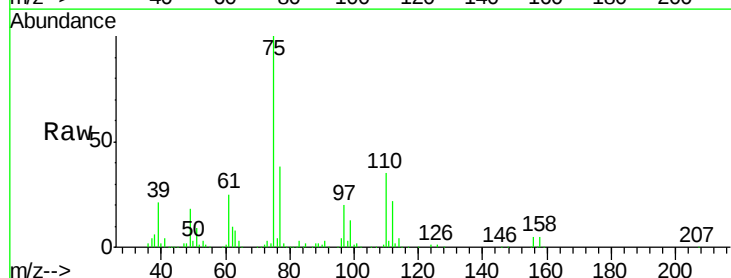
Acq: 7 Jan 2019 9:57

Tgt Ion: 75 Resp: 653330

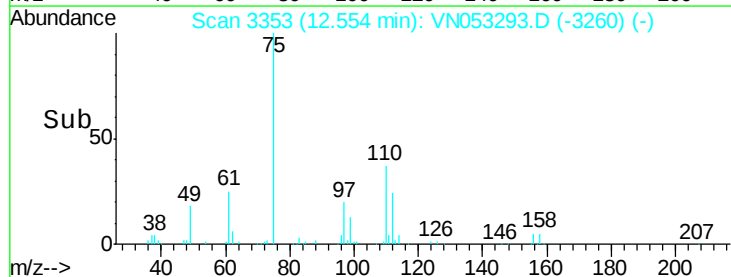
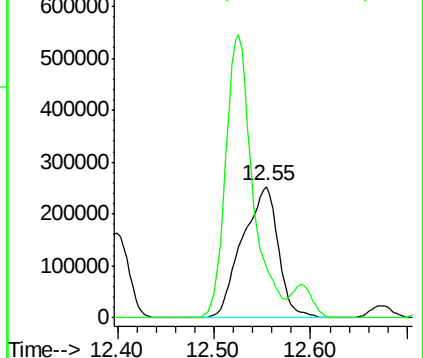
Ion Ratio Lower Upper

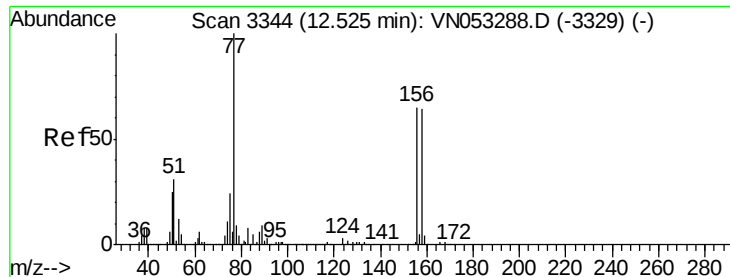
75 100

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: 48.387 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

BFB

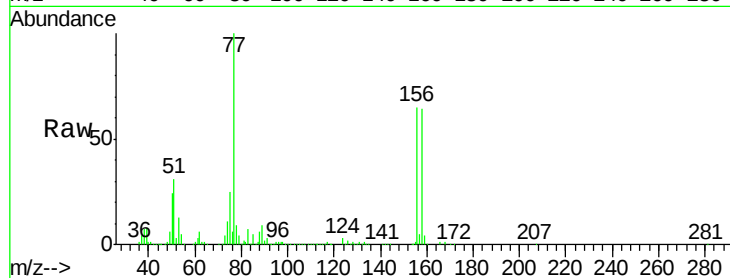
Tot Ion:156 Resp: 598297

Ion Ratio Lower Upper

156 100

77 177.4 89.3 268.1

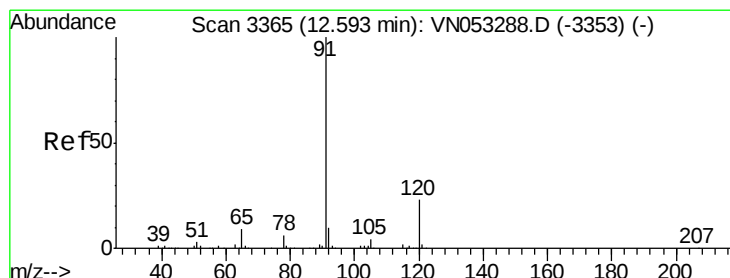
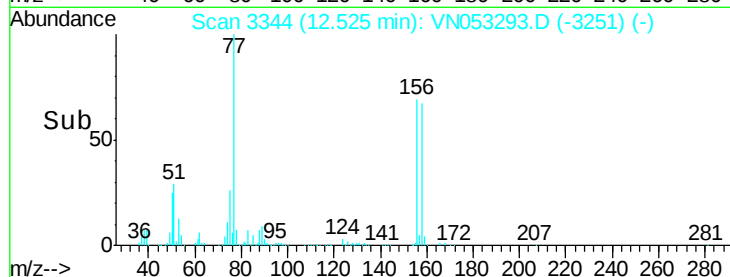
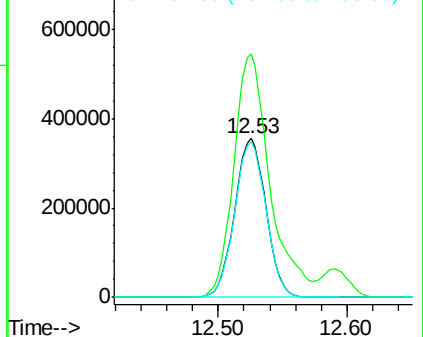
158 98.1 48.9 146.8



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: 51.507 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053293.D

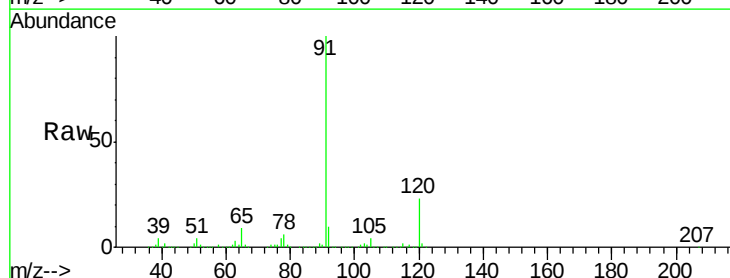
Acq: 7 Jan 2019 9:57

Tgt Ion: 91 Resp: 2699216

Ion Ratio Lower Upper

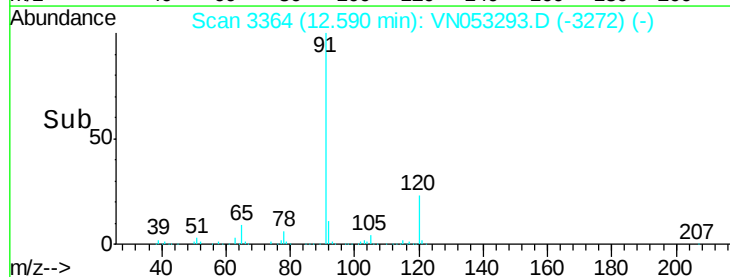
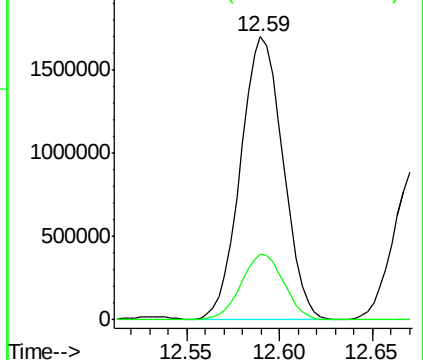
91 100

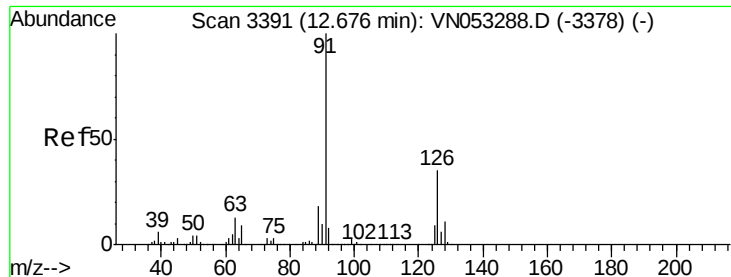
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.443 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

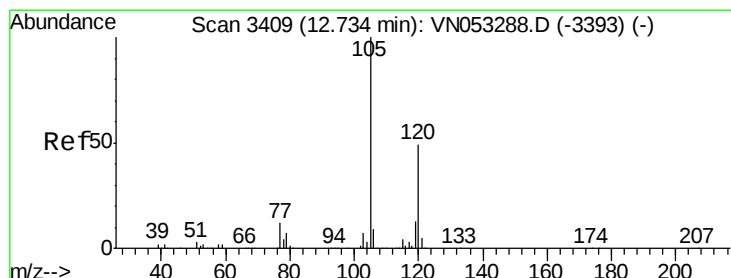
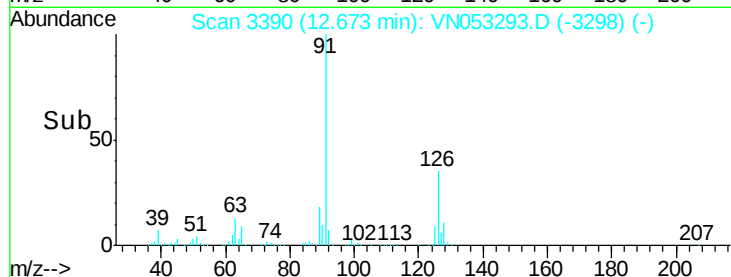
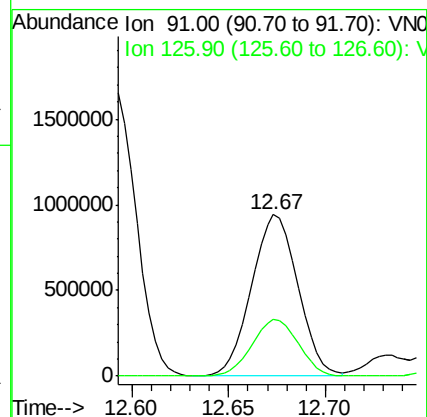
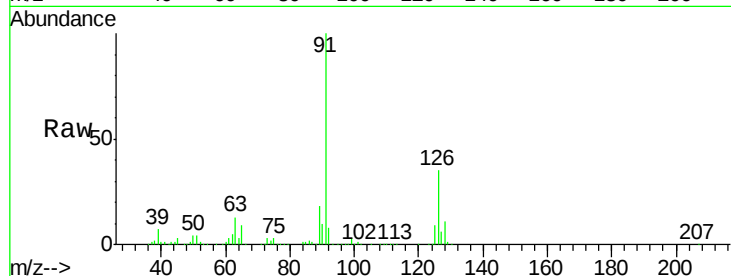
BFB

Tot Ion: 91 Resp: 1567791

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 51.053 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053293.D

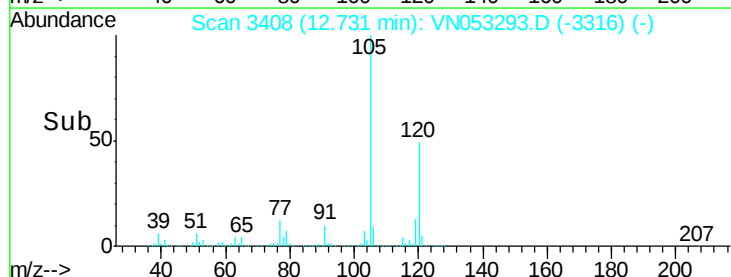
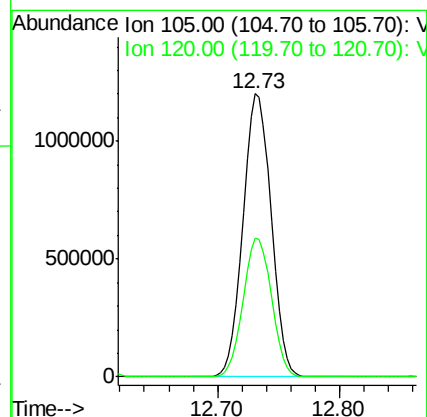
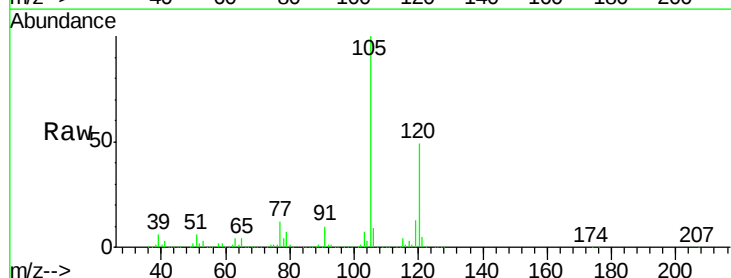
Acq: 7 Jan 2019 9:57

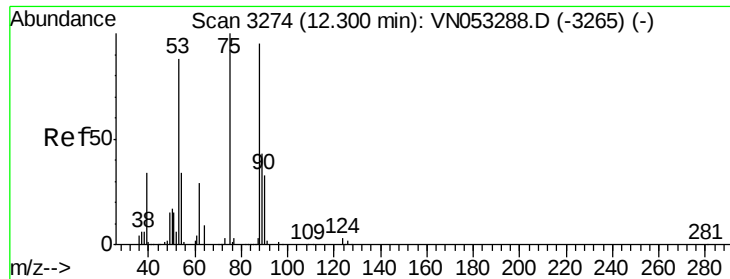
Tgt Ion: 105 Resp: 1905187

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.480 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

BFB

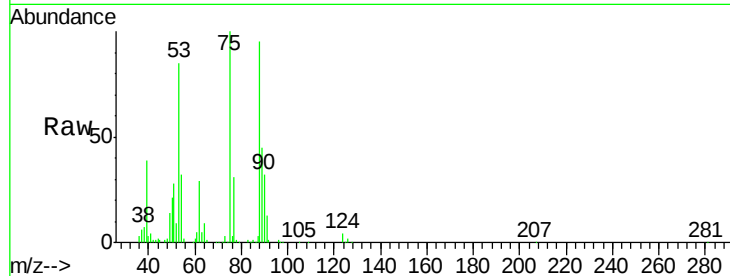
Tot Ion: 75 Resp: 158804

Ion Ratio Lower Upper

75 100

53 84.2 70.5 105.7

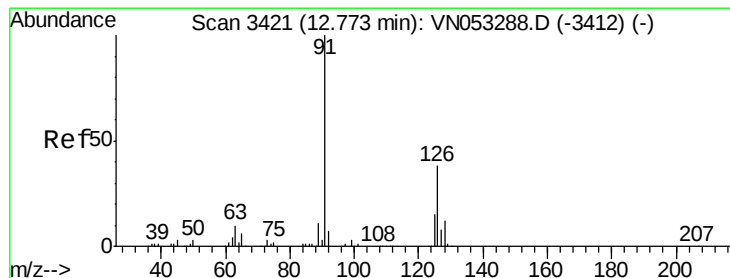
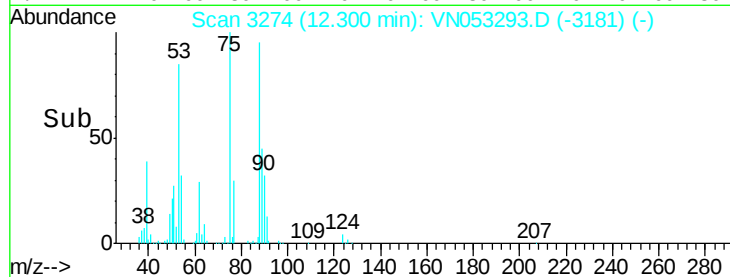
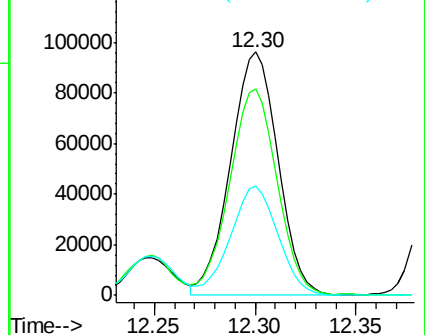
89 44.6 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.914 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053293.D

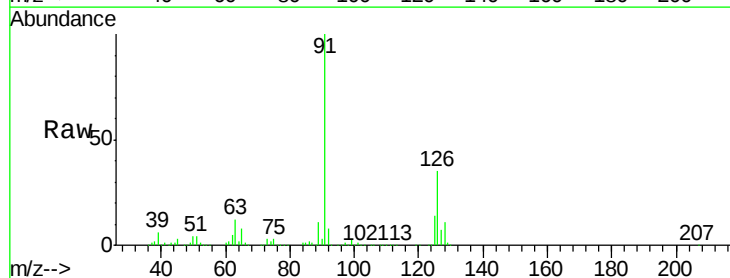
Acq: 7 Jan 2019 9:57

Tgt Ion: 91 Resp: 1622935

Ion Ratio Lower Upper

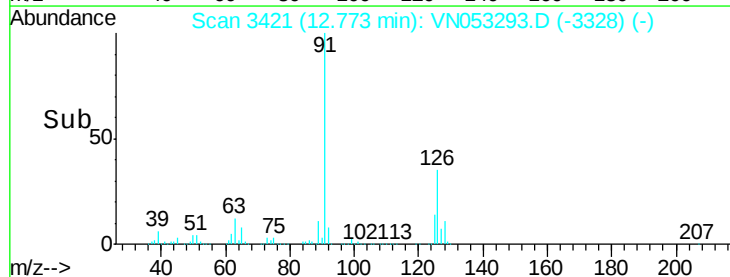
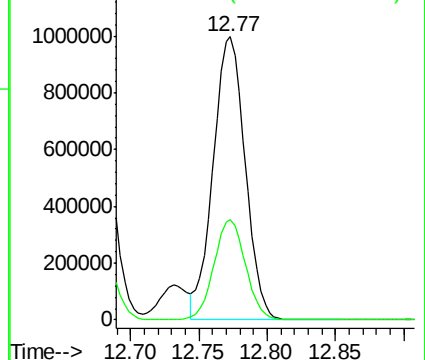
91 100

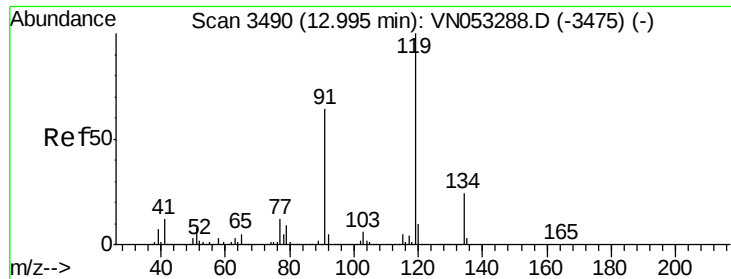
126 34.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

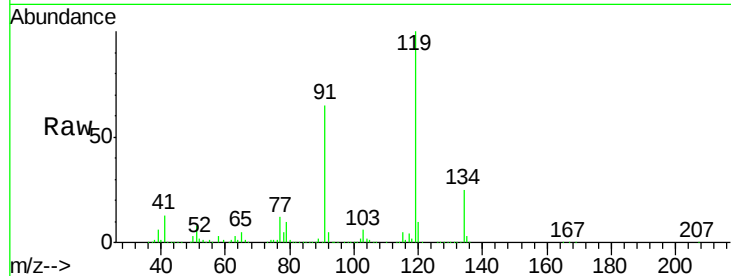




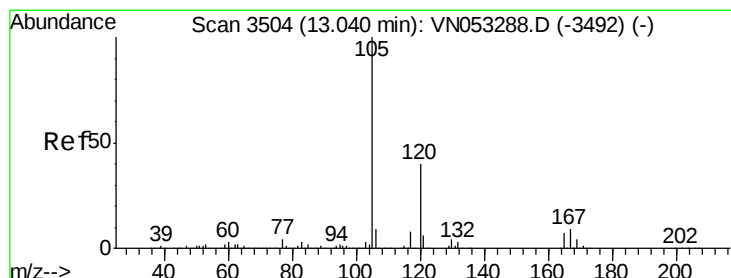
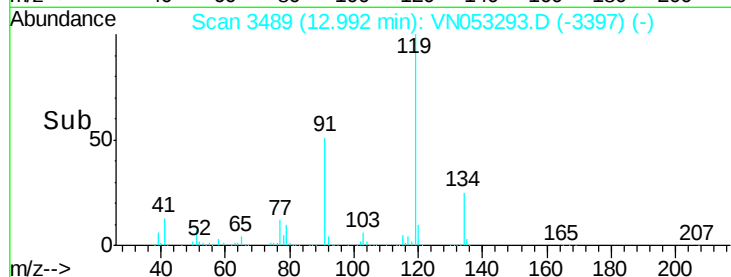
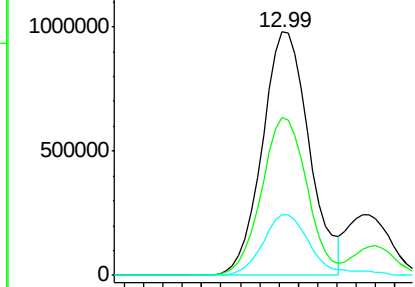
#83
tert-Butylbenzene
Concen: 50.418 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:119 Resp: 1650764
Ion Ratio Lower Upper
119 100
91 62.8 31.6 95.0
134 25.7 12.9 38.6

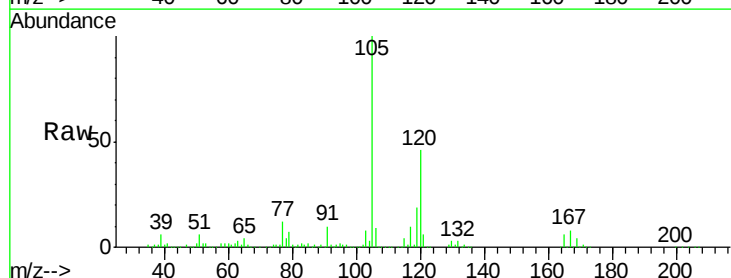


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

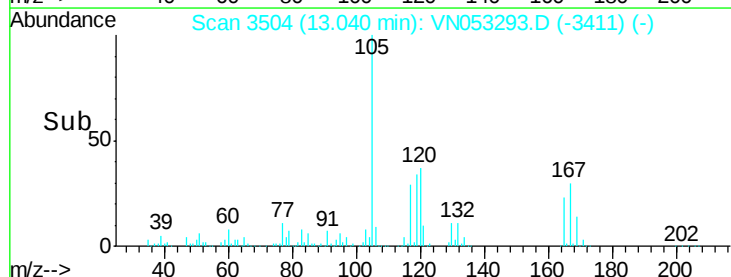
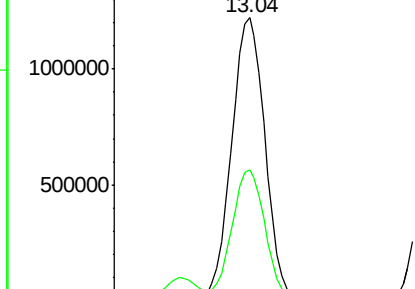


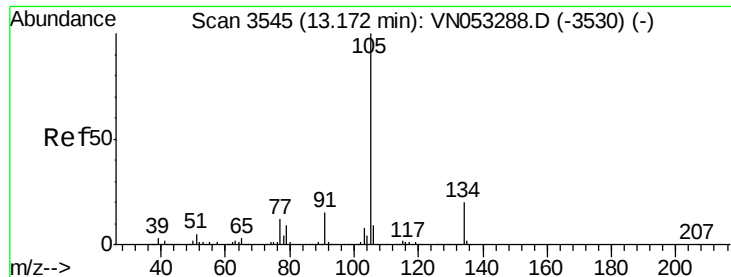
#84
1,2,4-Trimethylbenzene
Concen: 51.352 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:105 Resp: 1952293
Ion Ratio Lower Upper
105 100
120 46.3 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: 51.862 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

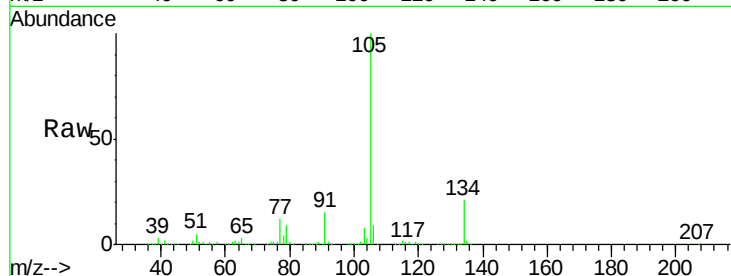
BFB

Tot Ion:105 Resp: 2239362

Ion Ratio Lower Upper

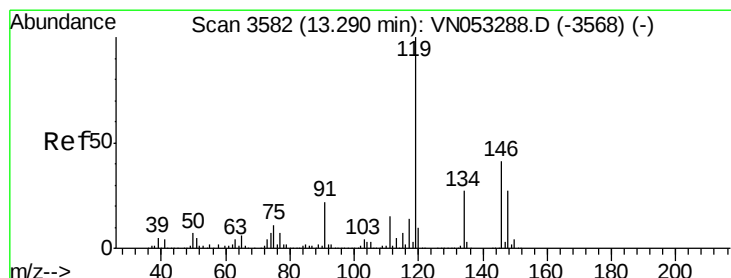
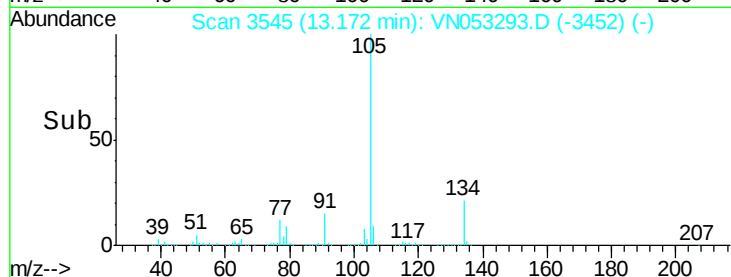
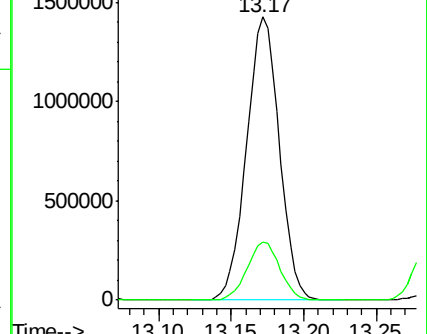
105 100

134 20.6 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: 53.236 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

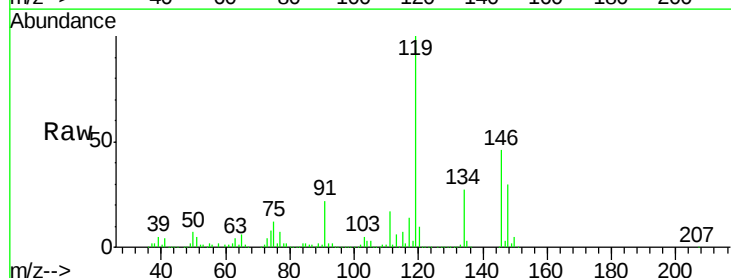
Tgt Ion:119 Resp: 1990250

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

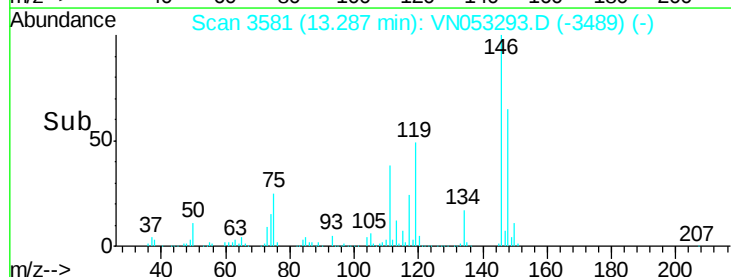
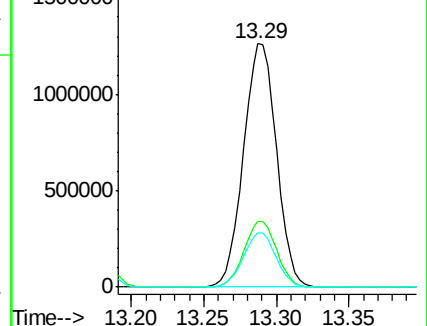
91 22.1 11.1 33.1

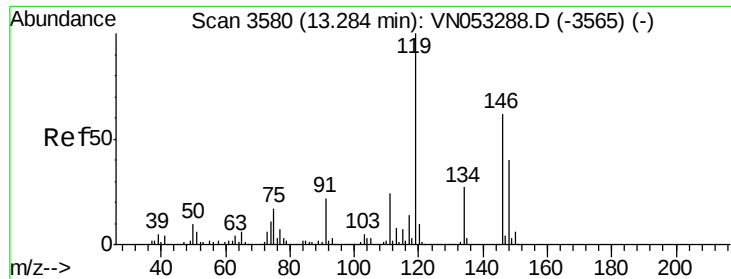


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

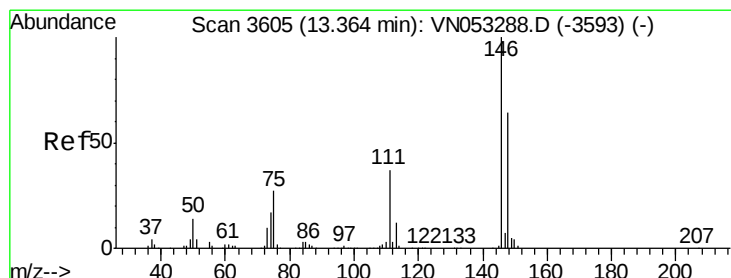
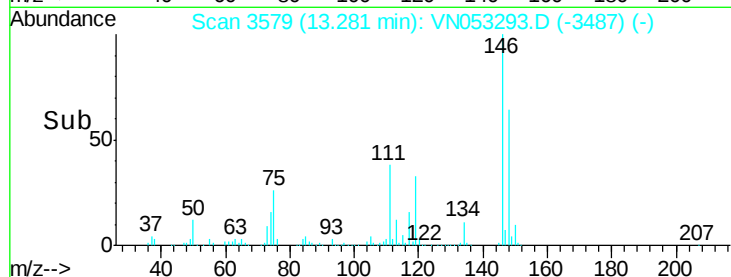
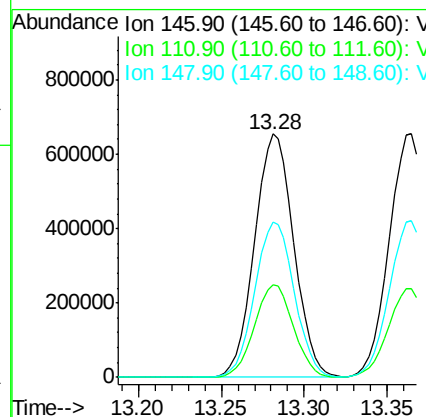
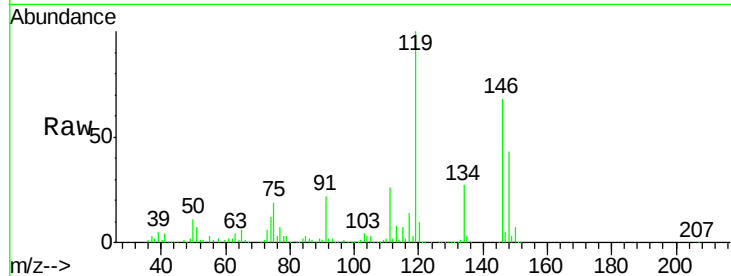




#87
 1,3-Dichlorobenzene
 Concen: 49.570 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

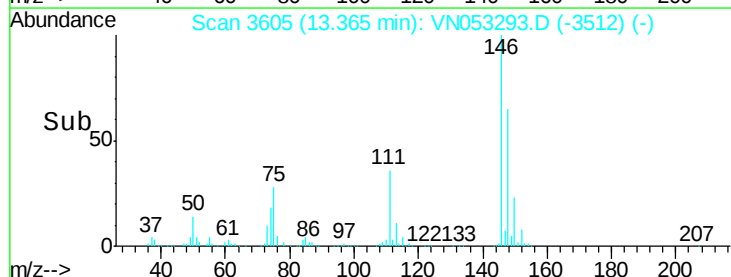
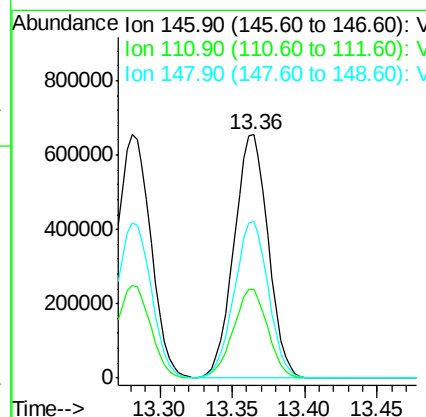
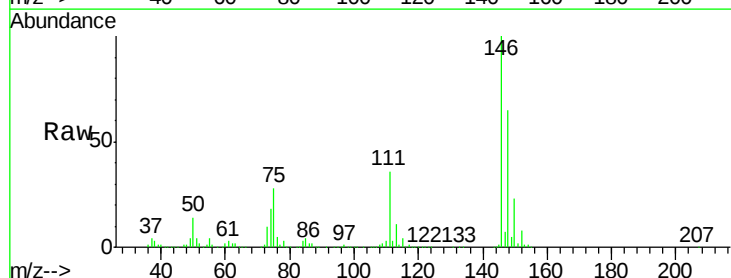
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

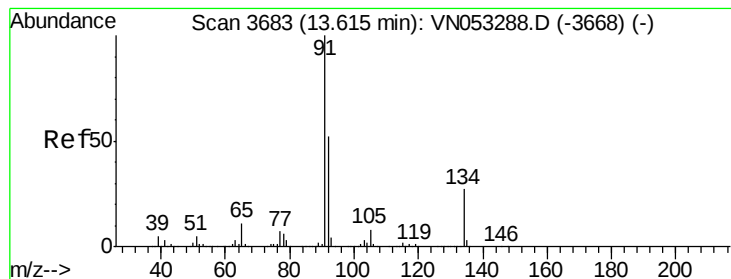
Tot Ion:146 Resp: 1079369
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.501 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion:146 Resp: 1069231
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 53.697 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

BFB

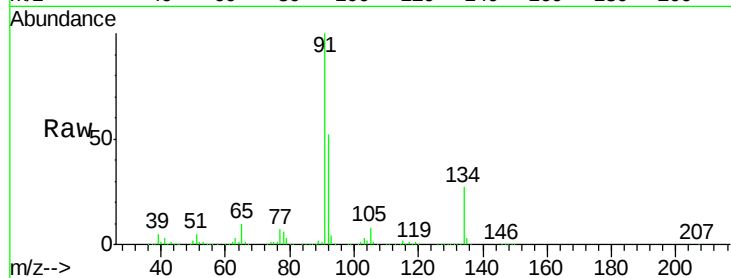
Tot Ion: 91 Resp: 1683074

Ion Ratio Lower Upper

91 100

92 52.9 26.3 78.8

134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053293.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053293.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053293.D (-3590) (-)

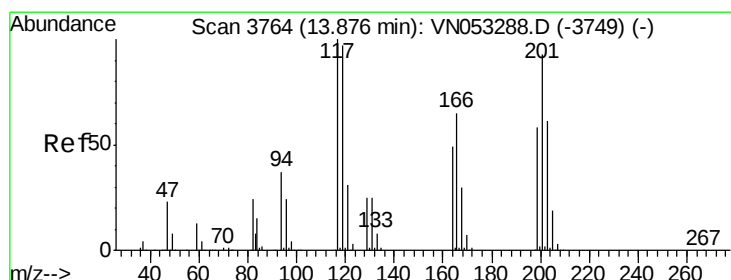
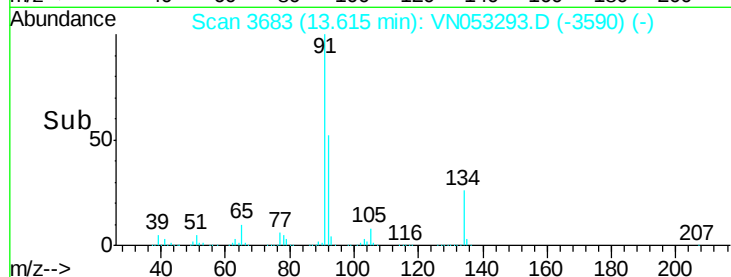
13.62

1000000

500000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 53.039 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053293.D

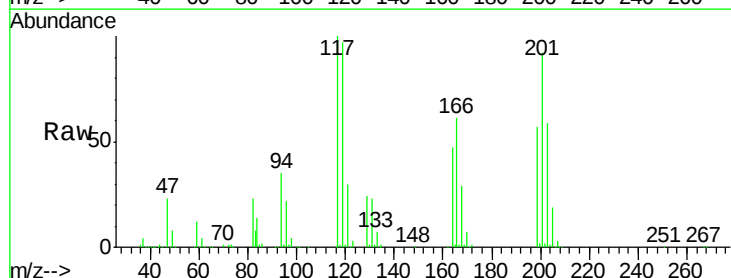
Acq: 7 Jan 2019 9:57

Tgt Ion: 117 Resp: 317818

Ion Ratio Lower Upper

117 100

201 93.3 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053293.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053293.D (-3671) (-)

13.87

200000

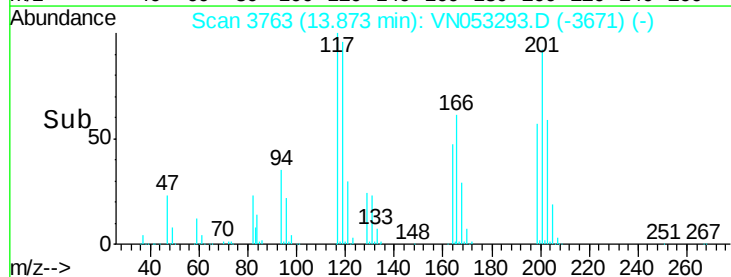
150000

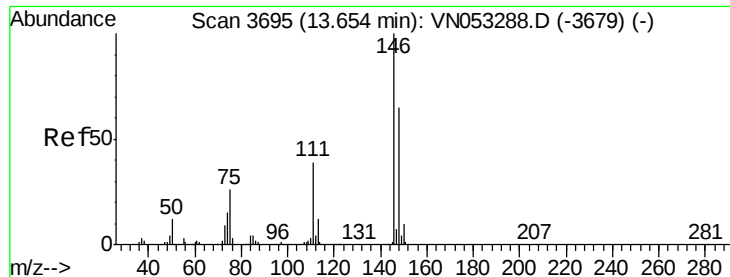
100000

50000

0

Time--> 13.80 13.85 13.90 13.95

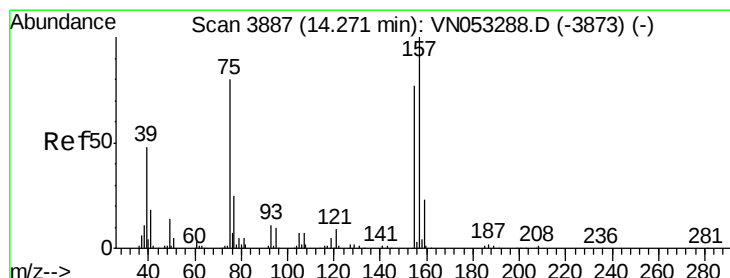
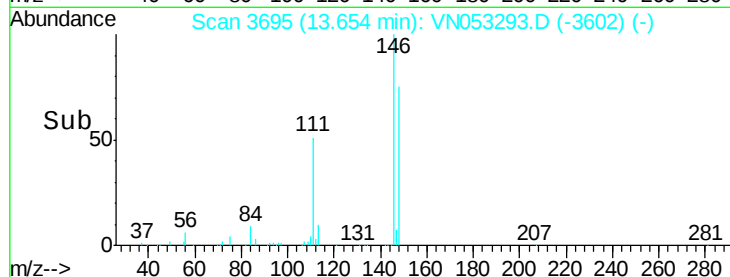
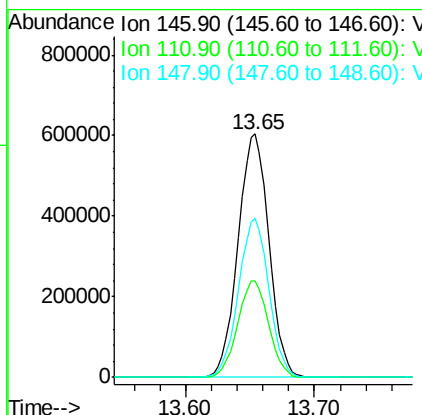
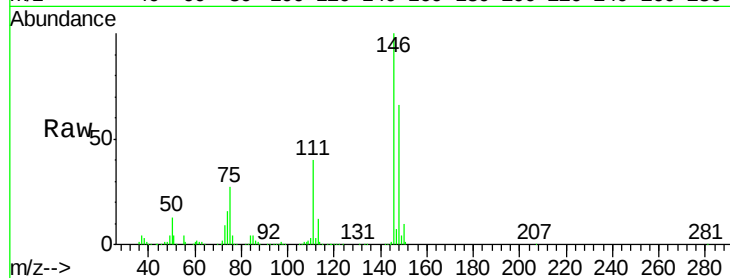




#91
 1,2-Dichlorobenzene
 Concen: 49.297 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

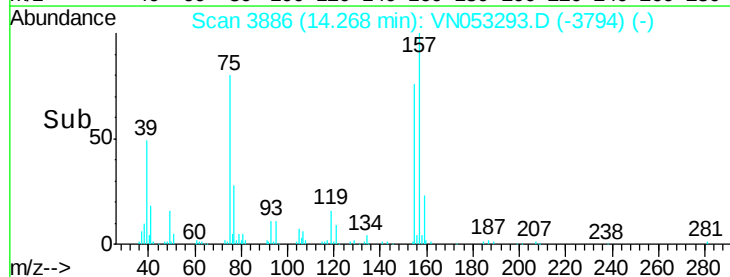
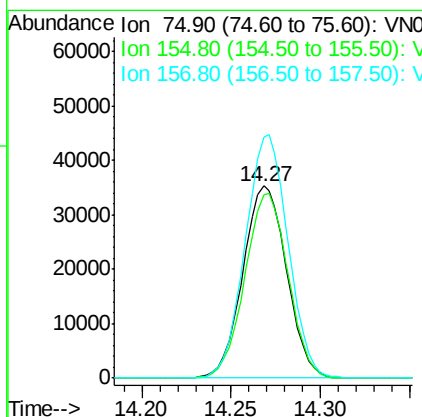
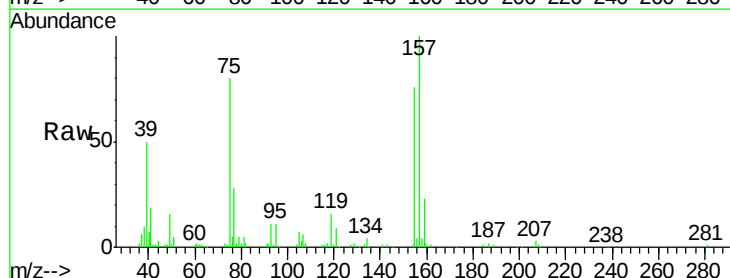
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

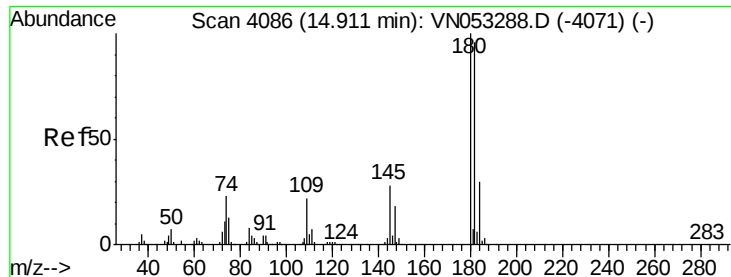
Tot Ion:146 Resp: 1005471
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.2
 148 64.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.816 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 75 Resp: 60516
 Ion Ratio Lower Upper
 75 100
 155 94.9 48.1 144.3
 157 124.0 61.5 184.4

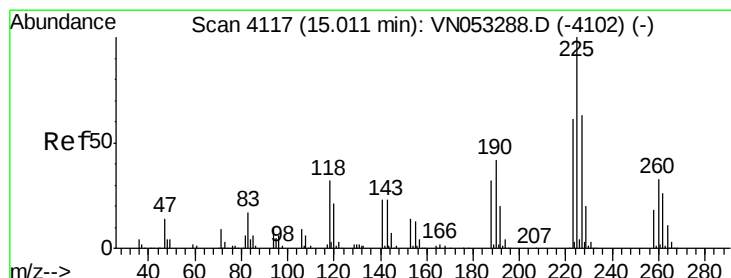
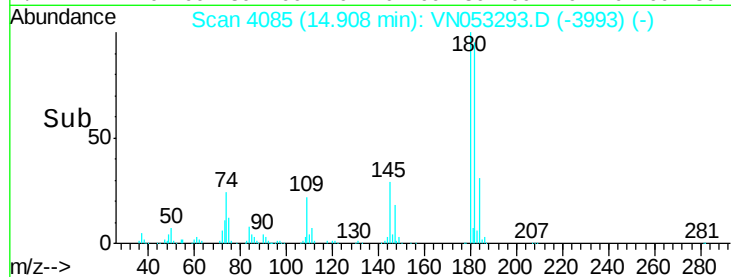
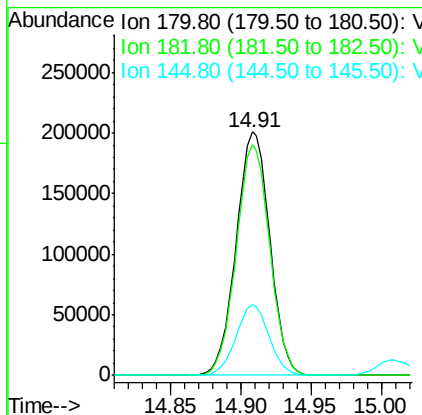
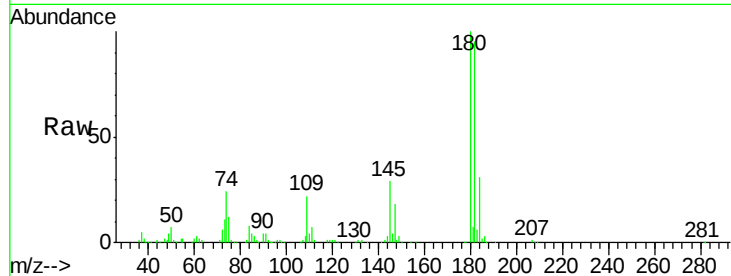




#93
 1,2,4-Trichlorobenzene
 Concen: 52.436 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

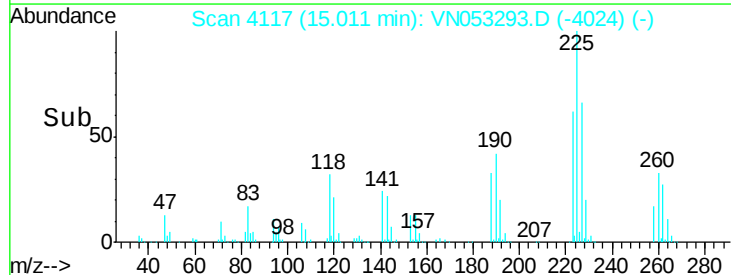
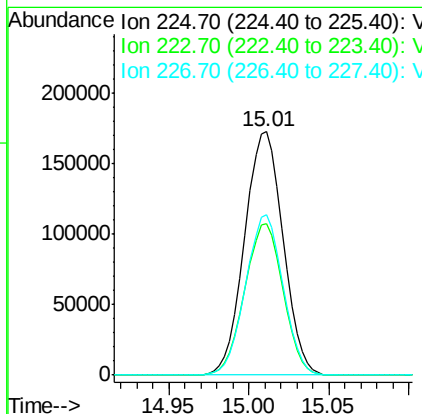
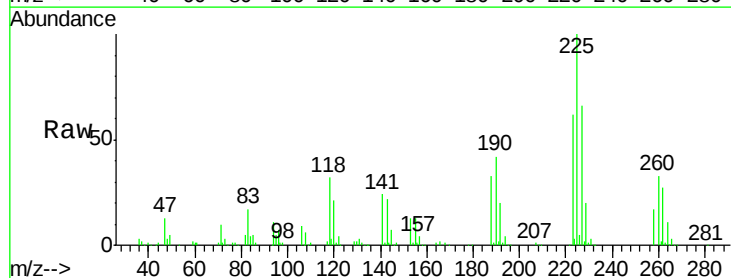
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

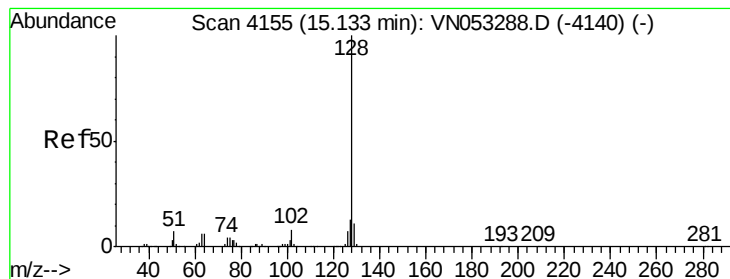
Tot Ion:180 Resp: 336280
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.4
 145 28.5 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 54.038 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion:225 Resp: 283457
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.8
 227 64.2 31.4 94.2





#95

Naphthalene

Concen: 48.547 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

BFB

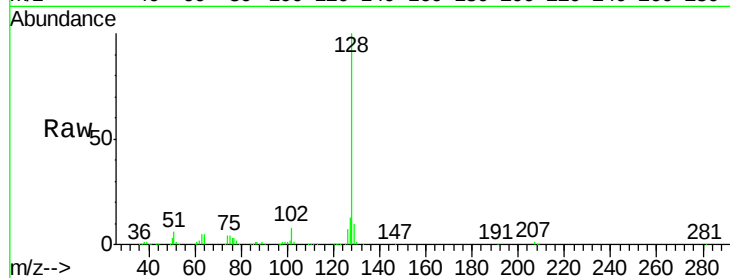
Tot Ion:128 Resp: 531120

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

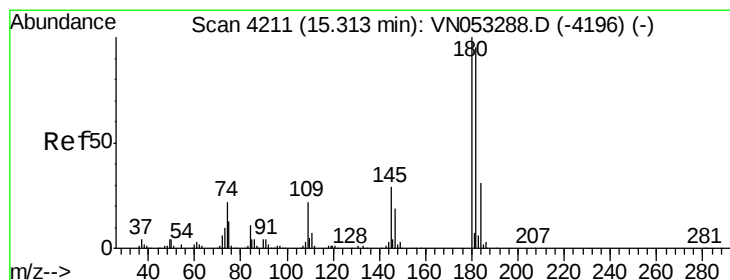
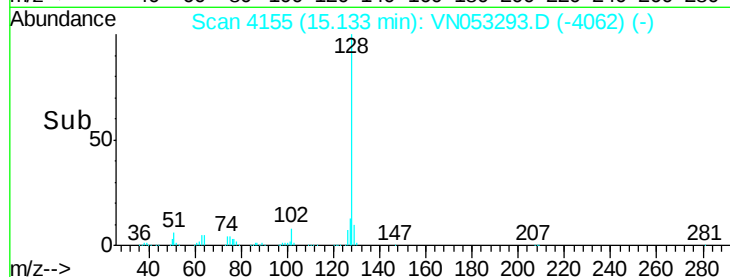
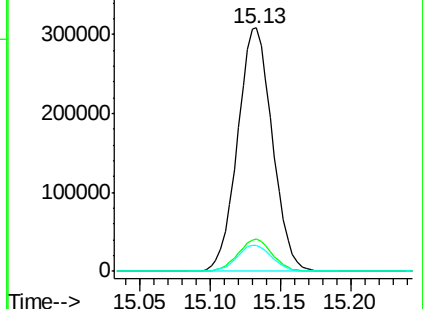
129 10.7 8.7 13.1



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: 48.372 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

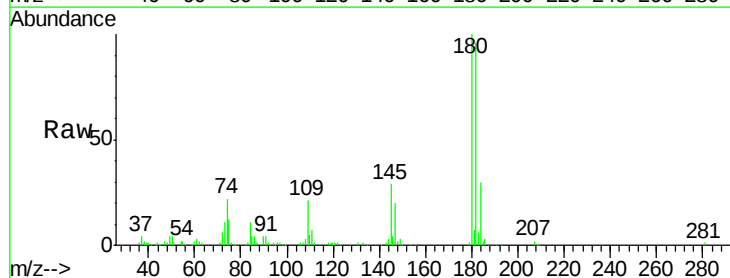
Tgt Ion:180 Resp: 203102

Ion Ratio Lower Upper

180 100

182 96.2 48.4 145.0

145 29.0 14.9 44.5



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

