

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
 Data File : VN053059.D
 Acq On : 20 Dec 2018 16:21
 Operator : MD\SY
 Sample : VN1220MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Dec 21 01:13:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1069490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1636791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	647460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	558166	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	439045	58.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.44%	
50) Toluene-d8	10.09	98	2039505	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	699371	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	206091	19.040	ug/l	100
3) Chloromethane	2.06	50	253374	19.317	ug/l	100
4) Vinyl Chloride	2.19	62	257252	19.366	ug/l	98
5) Bromomethane	2.58	94	168429	18.300	ug/l	99
6) Chloroethane	2.71	64	155967	19.824	ug/l	99
7) Trichlorofluoromethane	3.03	101	327119	19.767	ug/l	100
8) Diethyl Ether	3.41	74	130542	20.910	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	206843	19.604	ug/l	99
10) Methyl Iodide	3.96	142	297077	20.049	ug/l	99
11) Tert butyl alcohol	4.78	59	68742	103.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	201015	19.720	ug/l	96
13) Acrolein	3.61	56	63282	105.388	ug/l	98
14) Allyl chloride	4.33	41	325836	20.636	ug/l	95
15) Acrylonitrile	4.99	53	380379	103.392	ug/l	100
16) Acetone	3.81	43	236054	110.928	ug/l	95
17) Carbon Disulfide	4.06	76	558867	16.811	ug/l	99
18) Methyl Acetate	4.33	43	193117	20.590	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	578163	21.194	ug/l	98
20) Methylene Chloride	4.55	84	233811	20.142	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	213749	19.517	ug/l	99
22) Diisopropyl ether	5.95	45	710678	21.086	ug/l	97
23) Vinyl Acetate	5.90	43	2069783	106.798	ug/l	98
24) 1,1-Dichloroethane	5.85	63	405929	20.269	ug/l	99
25) 2-Butanone	6.84	43	395272	110.680	ug/l	98
26) 2,2-Dichloropropane	6.83	77	268745	17.579	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	251526	20.286	ug/l	98
28) Bromochloromethane	7.20	49	179800	20.718	ug/l	96
29) Tetrahydrofuran	7.21	42	285829	107.161	ug/l	98
30) Chloroform	7.37	83	398144	20.237	ug/l	100
31) Cyclohexane	7.66	56	378188	19.493	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	333355	19.890	ug/l	99
36) 1,1-Dichloropropene	7.80	75	305287	19.432	ug/l	100
37) Ethyl Acetate	6.93	43	188760	21.523	ug/l	99
38) Carbon Tetrachloride	7.78	117	275096	19.104	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	355283	18.616	ug/l	97
40) Benzene	8.04	78	944745	20.217	ug/l	100
41) Methacrylonitrile	7.17	41	109728	21.654	ug/l	96
42) 1,2-Dichloroethane	8.12	62	280562	20.323	ug/l	98
43) Isopropyl Acetate	8.16	43	354644	20.275	ug/l	100
44) Trichloroethene	8.84	130	263263	19.478	ug/l	94
45) 1,2-Dichloropropane	9.12	63	251712	20.680	ug/l	99
46) Dibromomethane	9.21	93	143007	20.168	ug/l	98
47) Bromodichloromethane	9.40	83	299264	19.855	ug/l	99
48) Methyl methacrylate	9.20	41	173440	20.380	ug/l	98
49) 1,4-Dioxane	9.20	88	40918	380.091	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	929770	109.470	ug/l	100
52) Toluene	10.16	92	579627	20.012	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	296936	18.735	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	354318	19.476	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	208688	20.652	ug/l	99
56) Ethyl methacrylate	10.43	69	278524	20.825	ug/l	97
57) 1,3-Dichloropropane	10.71	76	356350	20.565	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	764251	104.083	ug/l	98
59) 2-Hexanone	10.75	43	621660	108.182	ug/l	99
60) Dibromochloromethane	10.90	129	222201	19.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	207093	20.179	ug/l	99
64) Tetrachloroethene	10.63	164	294765	18.726	ug/l	99
65) Chlorobenzene	11.43	112	644576	20.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	222214	19.837	ug/l	100
67) Ethyl Benzene	11.51	91	1095402	19.773	ug/l	100
68) m/p-Xylenes	11.62	106	831909	39.502	ug/l	99
69) o-Xylene	11.95	106	407694	20.174	ug/l	100
70) Styrene	11.96	104	661394	20.071	ug/l	100
71) Bromoform	12.13	173	148523	18.353	ug/l #	99
73) Isopropylbenzene	12.25	105	1076778	21.256	ug/l	100
74) N-amyl acetate	12.07	43	306067	21.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	231511	23.295	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	308531	28.307	ug/l #	100
77) Bromobenzene	12.53	156	275849	20.948	ug/l	98
78) n-propylbenzene	12.59	91	1192113	20.662	ug/l	100
79) 2-Chlorotoluene	12.67	91	715339	20.003	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849523	20.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63413	18.752	ug/l	97
82) 4-Chlorotoluene	12.77	91	720284	20.575	ug/l	100
83) tert-Butylbenzene	12.99	119	747397	20.467	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	860483	20.730	ug/l	100
85) sec-Butylbenzene	13.17	105	976598	19.772	ug/l	100
86) p-Isopropyltoluene	13.29	119	831245	19.476	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	462022	19.824	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	450853	19.102	ug/l	99
89) n-Butylbenzene	13.62	91	643664	17.530	ug/l	100
90) Hexachloroethane	13.88	117	121125	18.493	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	437955	19.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33070	19.245	ug/l	98

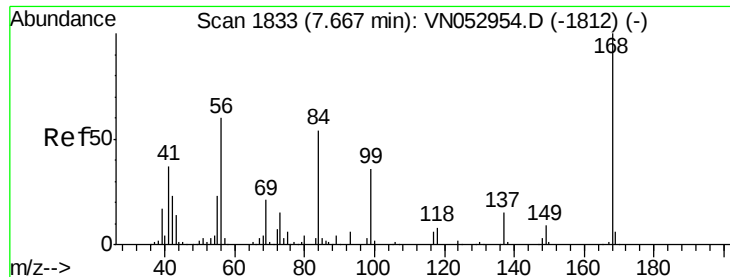
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	204320	17.968	ug/l	100
94) Hexachlorobutadiene	15.01	225	122741	18.595	ug/l	99
95) Naphthalene	15.13	128	444177	18.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	185065	18.013	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

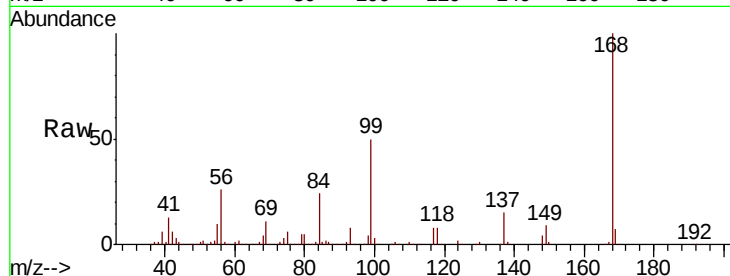
BFB

Tot Ion:168 Resp: 1069490

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

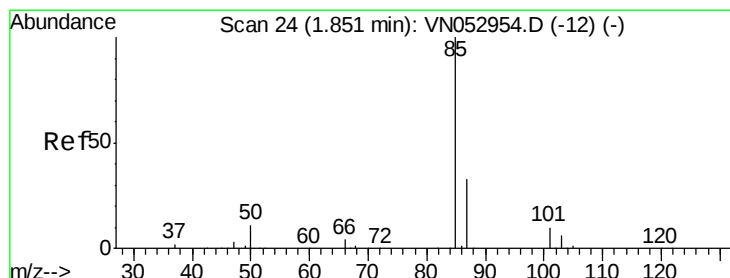
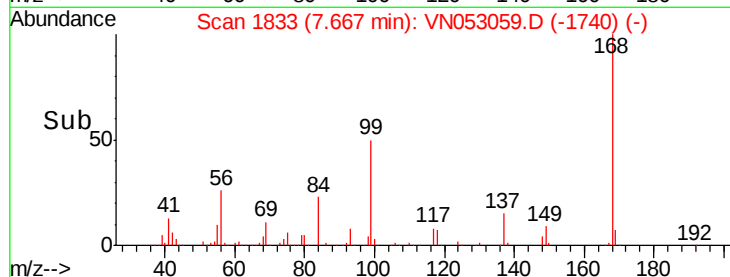
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.040 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053059.D

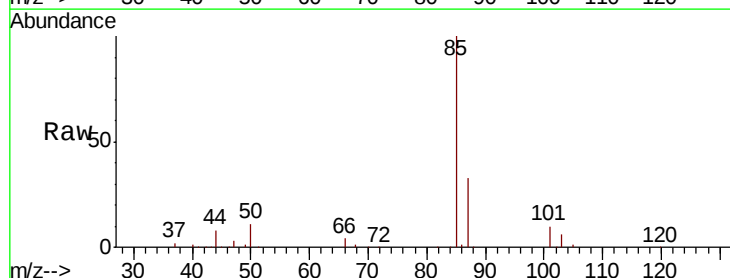
Acq: 20 Dec 2018 16:21

Tgt Ion: 85 Resp: 206091

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

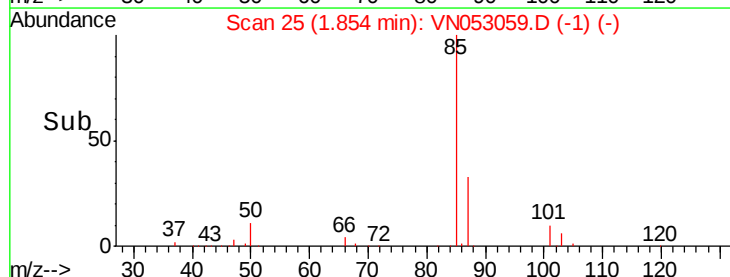
100000

50000

0

1.80 1.85 1.90 1.95

Time-->

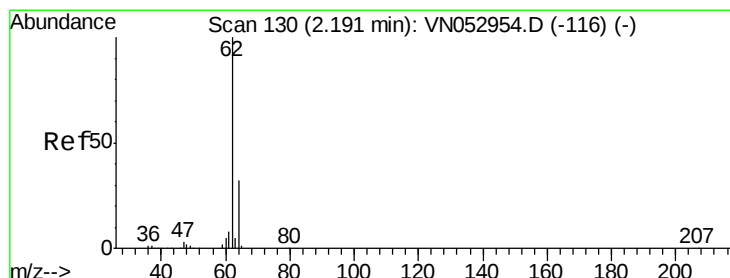
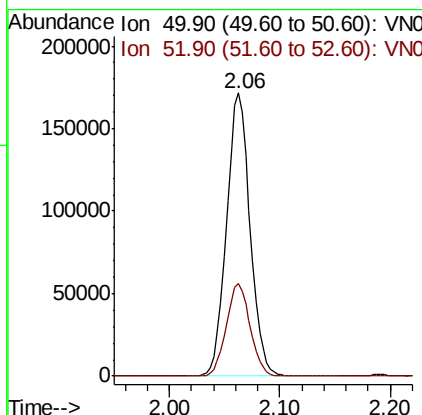
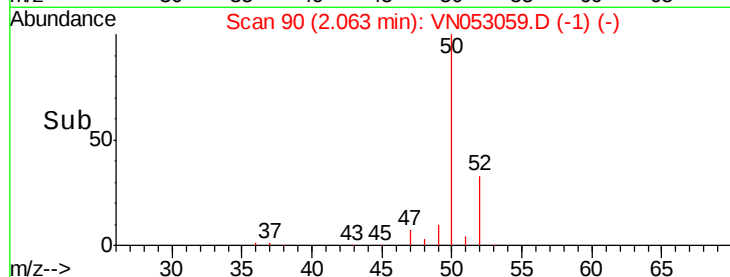
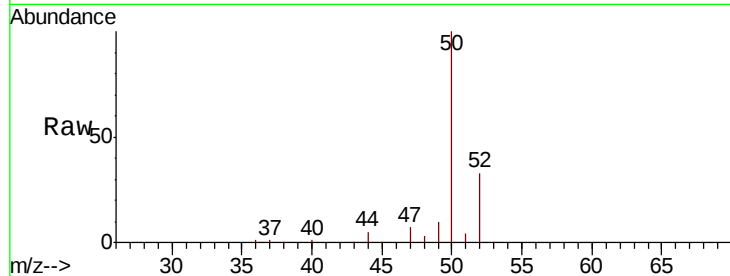




#3
 Chloromethane
 Concen: 19.317 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

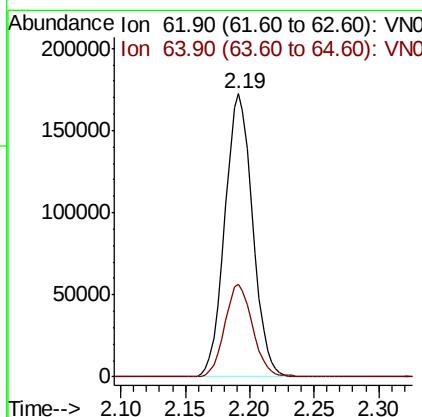
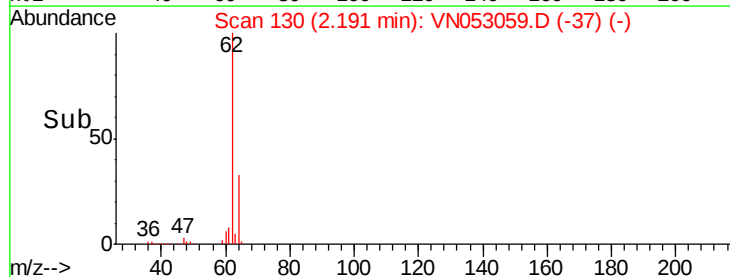
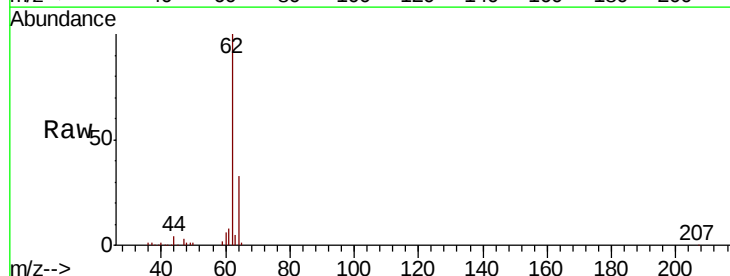
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

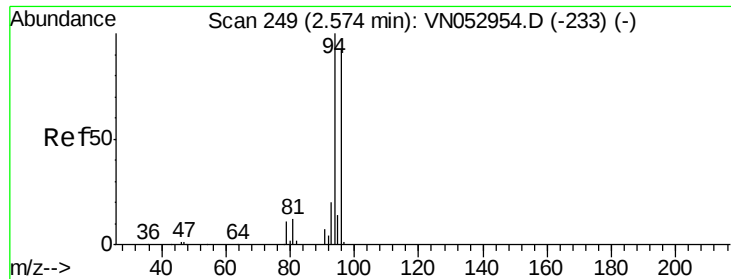
Tot Ion: 50 Resp: 253374
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.2 39.4



#4
 Vinyl Chloride
 Concen: 19.366 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 62 Resp: 257252
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.5 38.3





#5

Bromomethane

Concen: 18.300 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

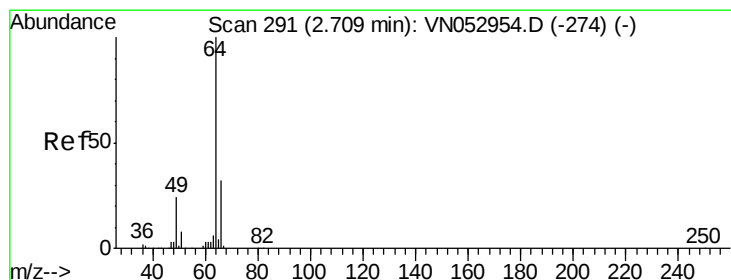
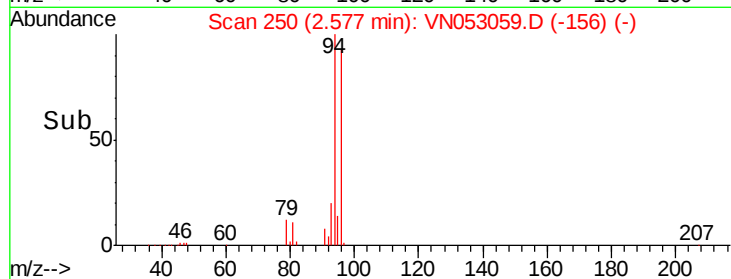
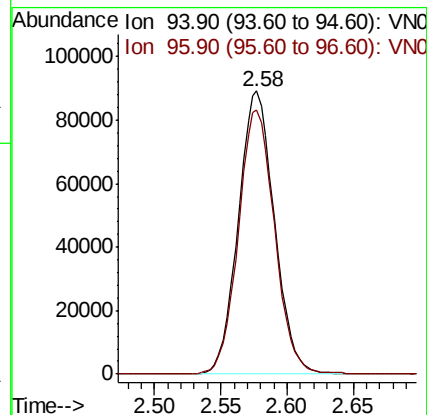
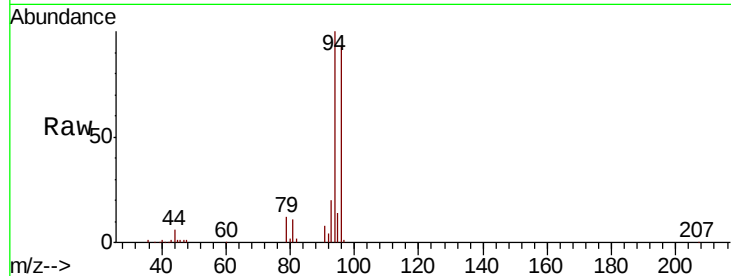
BFB

Tot Ion: 94 Resp: 168429

Ion Ratio Lower Upper

94 100

96 93.0 75.0 112.4



#6

Chloroethane

Concen: 19.824 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053059.D

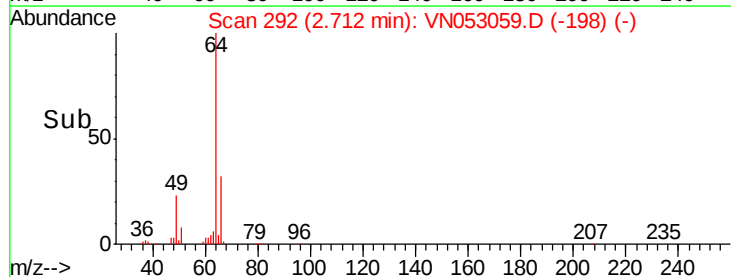
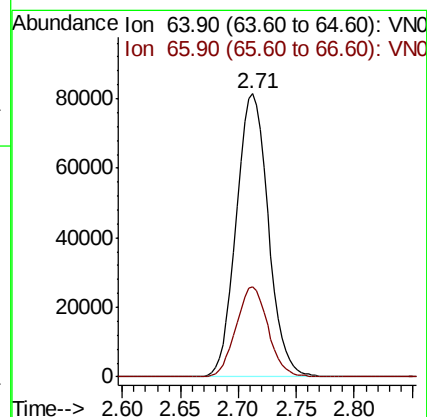
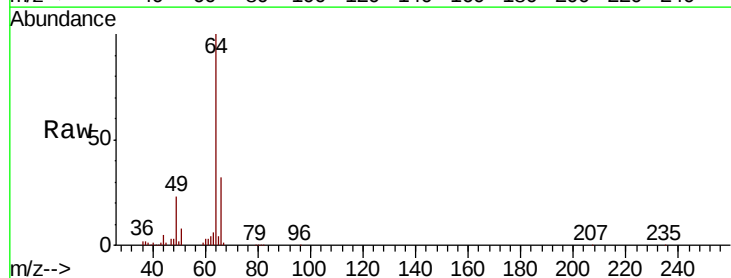
Acq: 20 Dec 2018 16:21

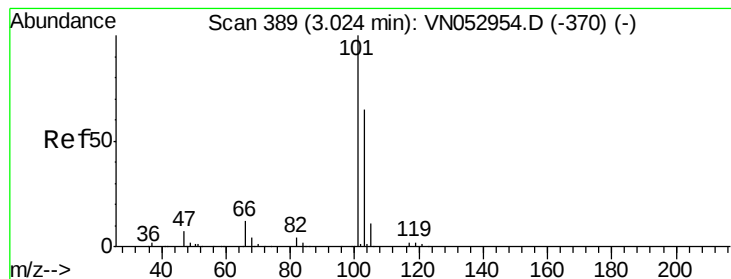
Tgt Ion: 64 Resp: 155967

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2



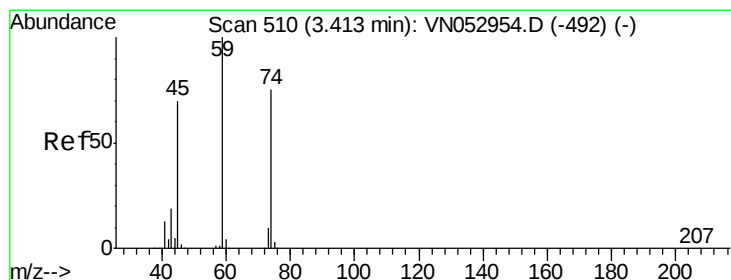
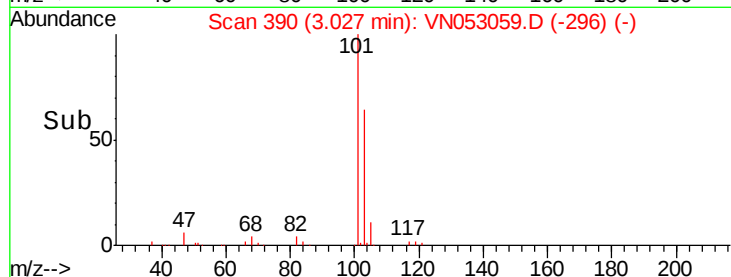
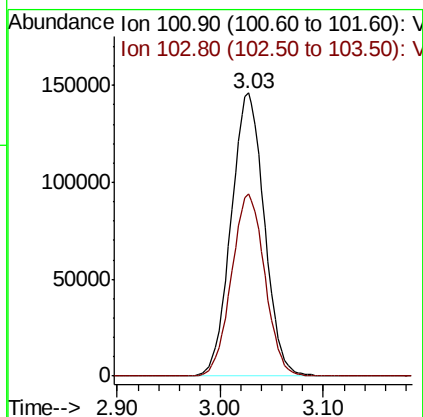
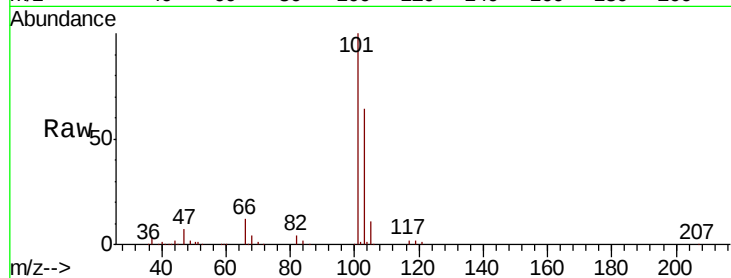


#7

Trichlorofluoromethane
 Concen: 19.767 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
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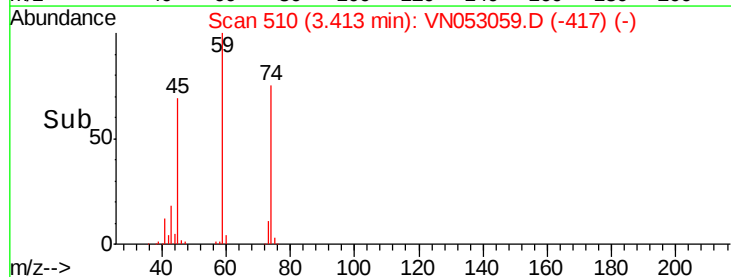
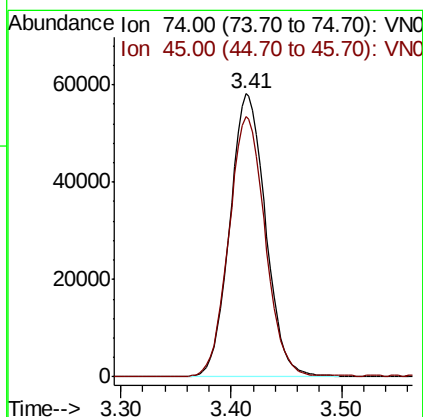
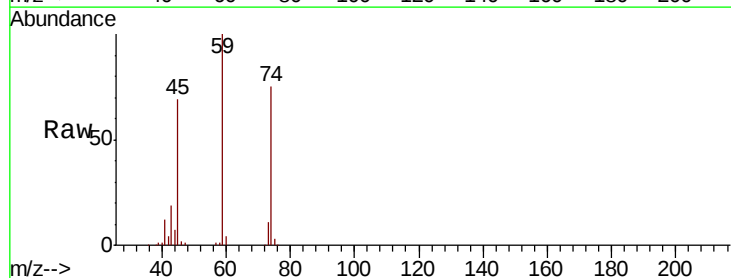
Tot Ion:101 Resp: 327119
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.6

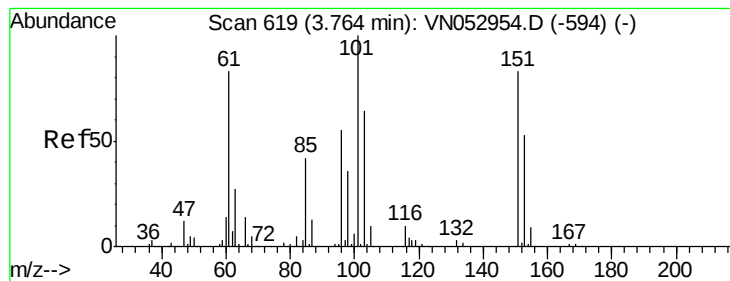


#8

Diethyl Ether
 Concen: 20.910 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 74 Resp: 130542
 Ion Ratio Lower Upper
 74 100
 45 93.0 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.604 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

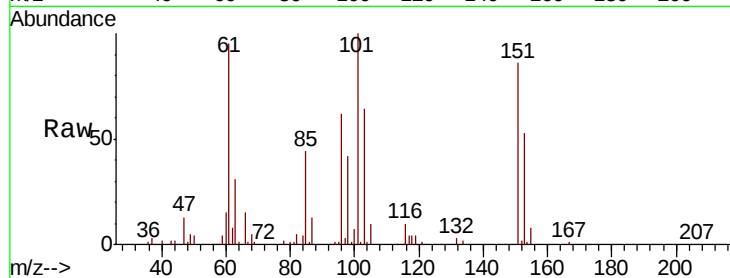
Tot Ion:101 Resp: 206843

Ion Ratio Lower Upper

101 100

85 42.1 33.6 50.4

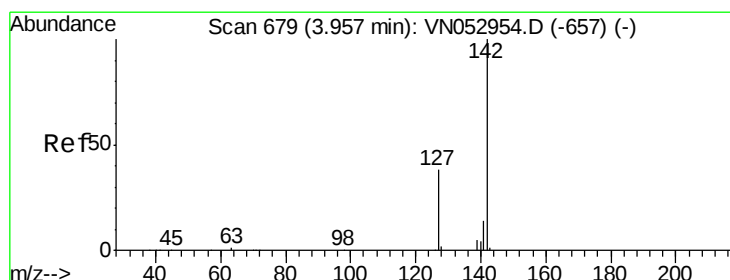
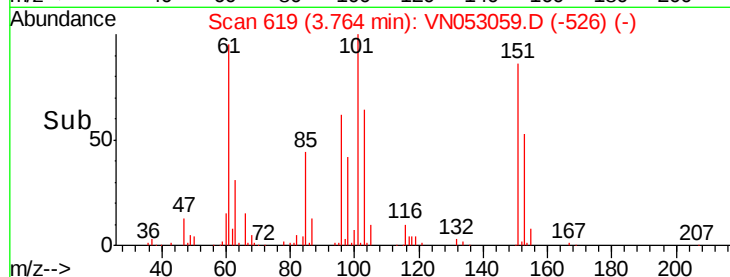
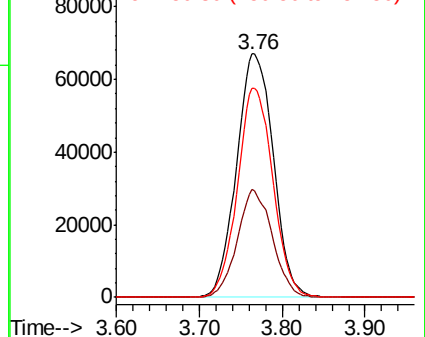
151 82.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.049 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

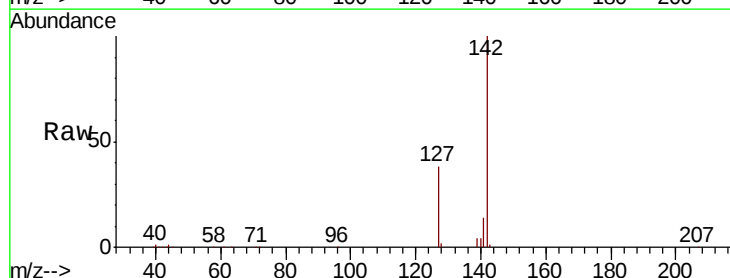
Tgt Ion:142 Resp: 297077

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

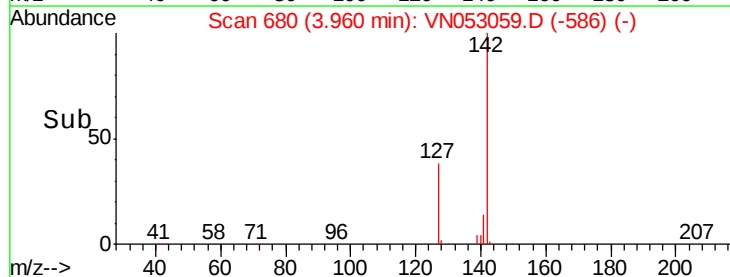
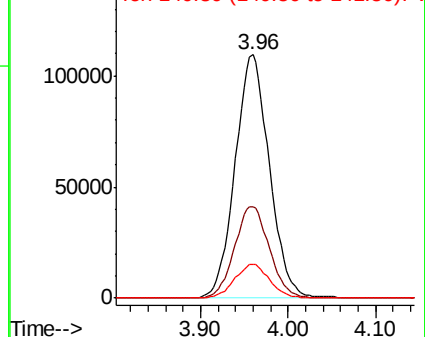
141 14.1 11.2 16.8

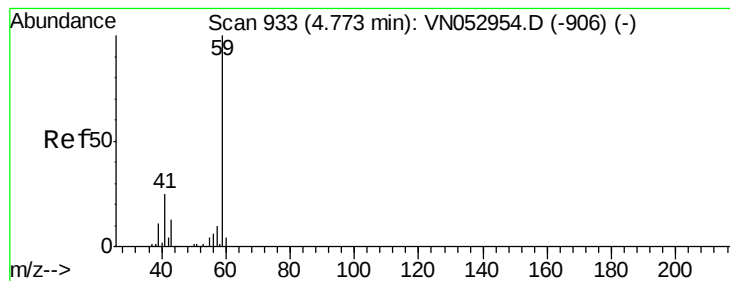


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



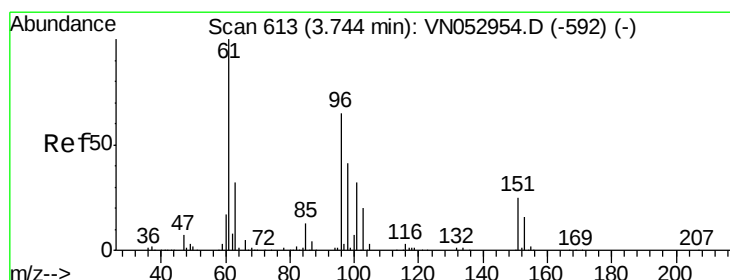
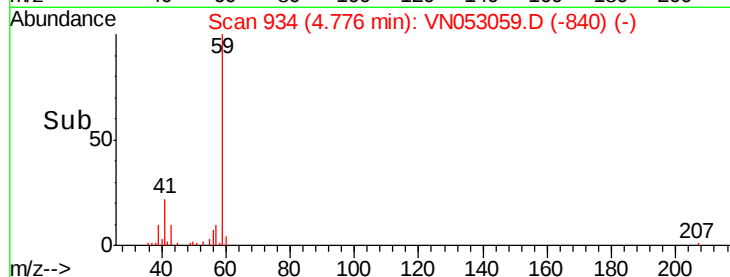
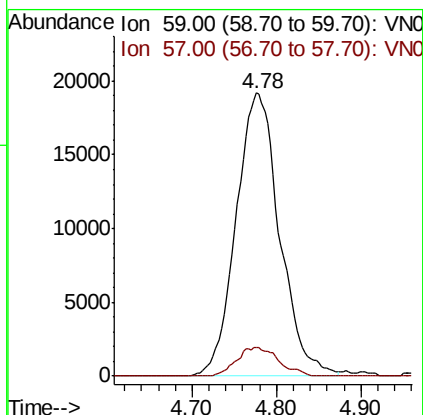
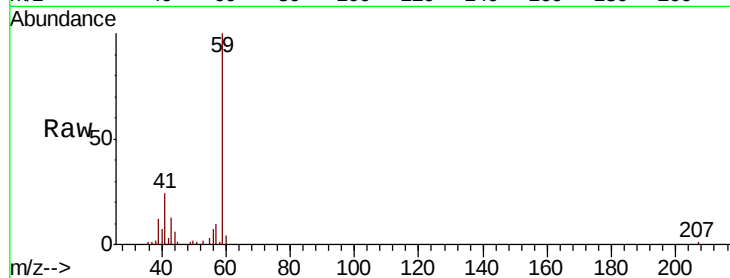


#11

Tert butyl alcohol
 Concen: 103.804 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

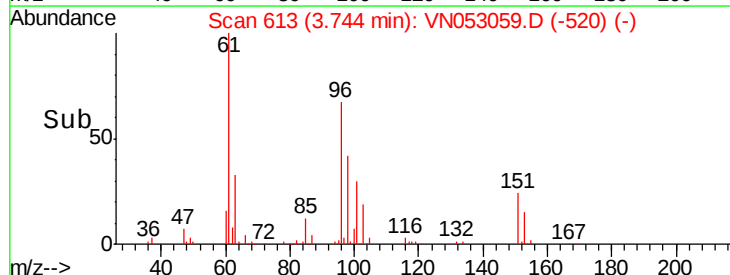
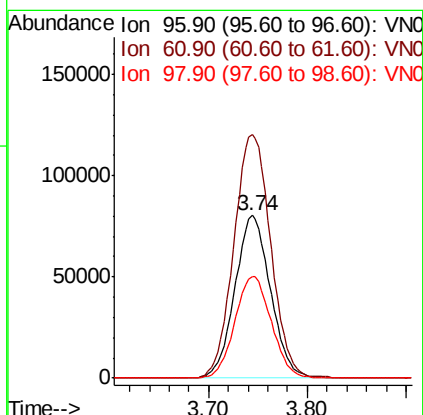
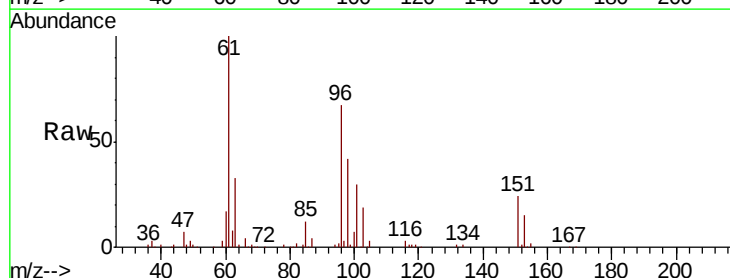
Tot Ion: 59 Resp: 68742
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

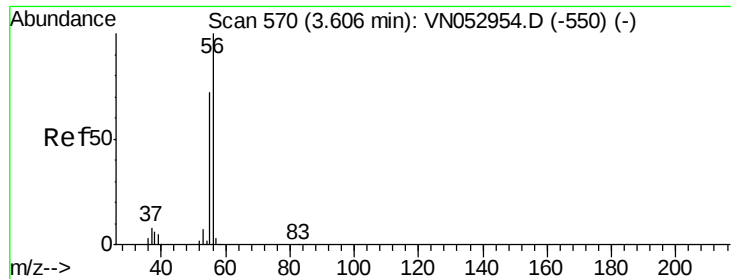


#12

1,1-Dichloroethene
 Concen: 19.720 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 96 Resp: 201015
 Ion Ratio Lower Upper
 96 100
 61 149.7 125.6 188.4
 98 62.5 50.6 75.8





#13

Acrolein

Concen: 105.388 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

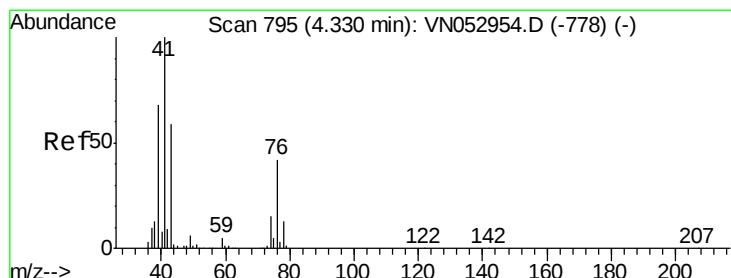
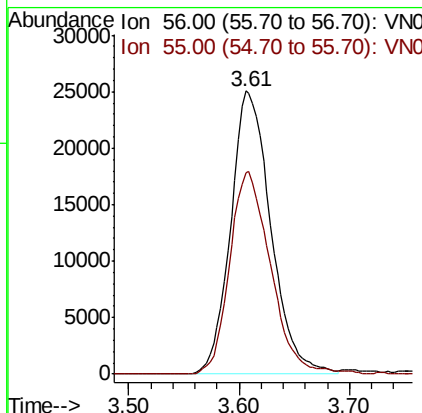
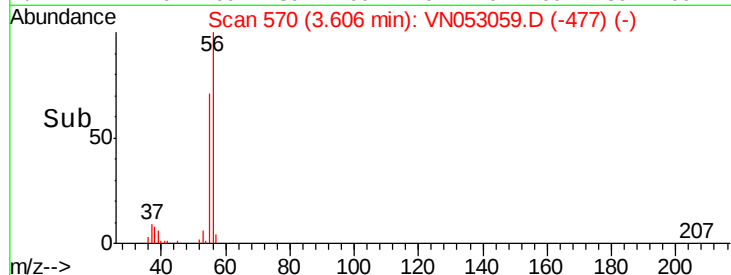
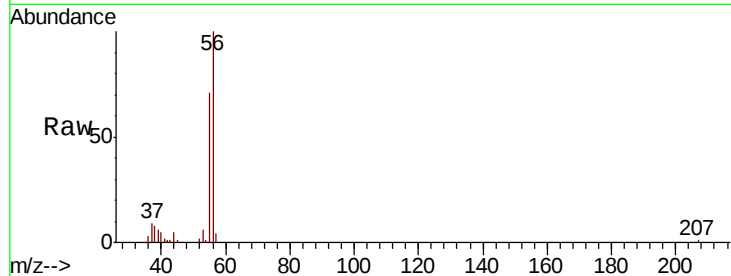
BFB

Tot Ion: 56 Resp: 63282

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



#14

Allyl chloride

Concen: 20.636 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

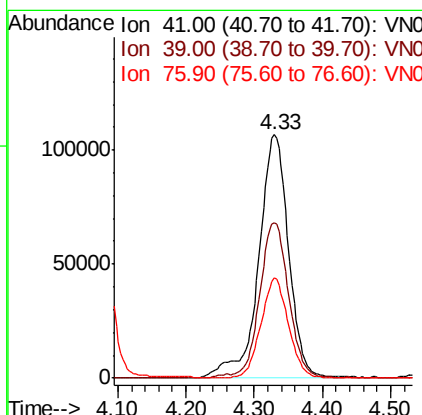
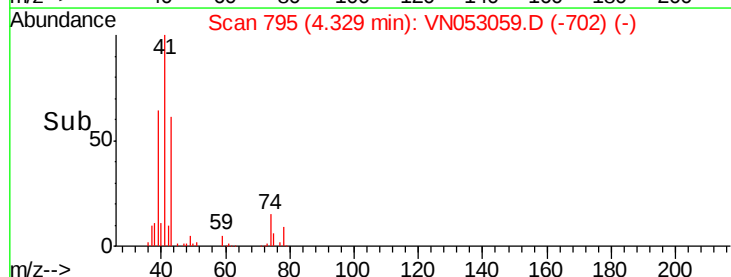
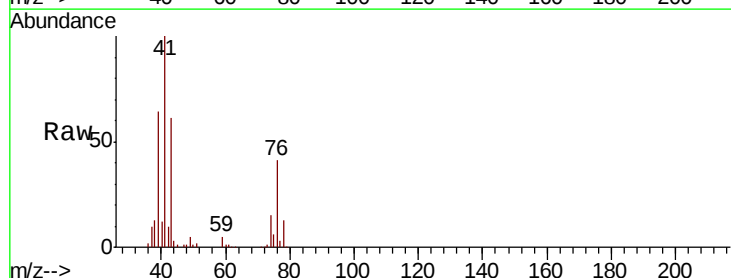
Tgt Ion: 41 Resp: 325836

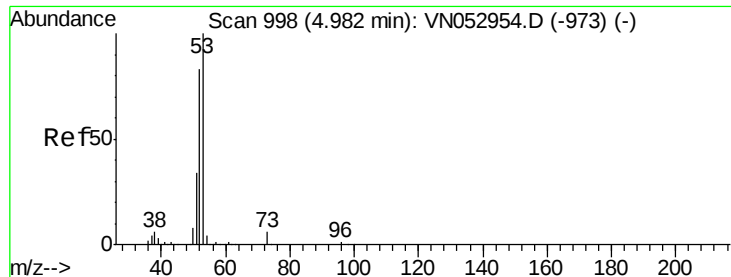
Ion Ratio Lower Upper

41 100

39 62.4 54.1 81.1

76 37.2 30.3 45.5





#15

Acrylonitrile

Concen: 103.392 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

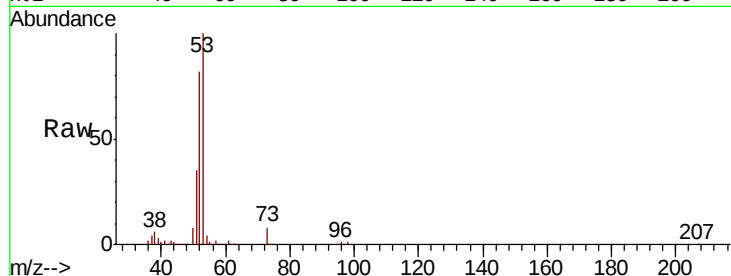
Tot Ion: 53 Resp: 380379

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053059.D (-1000) (-)

Ion 52.00 (51.70 to 52.70): VN053059.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VN053059.D (-1000) (-)

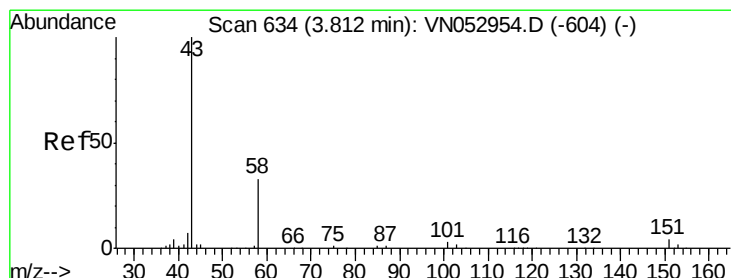
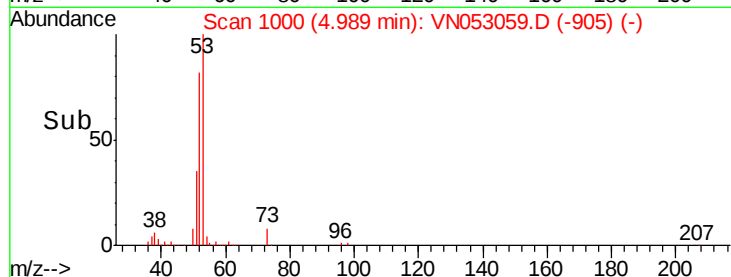
4.99

100000

50000

0

Time-->



#16

Acetone

Concen: 110.928 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053059.D

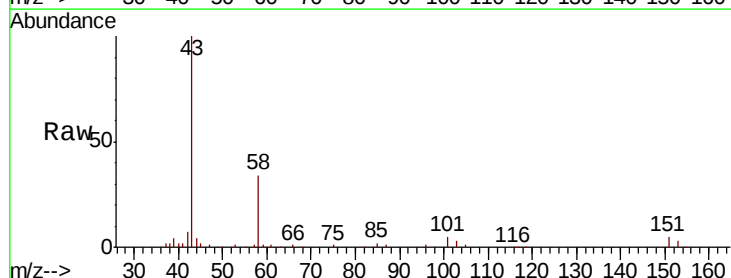
Acq: 20 Dec 2018 16:21

Tgt Ion: 43 Resp: 236054

Ion Ratio Lower Upper

43 100

58 34.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053059.D (-635) (-)

Ion 58.00 (57.70 to 58.70): VN053059.D (-635) (-)

3.81

100000

80000

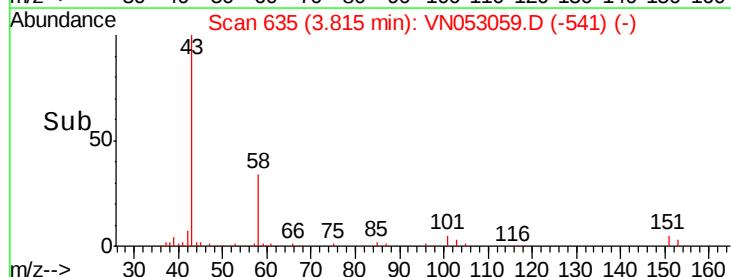
60000

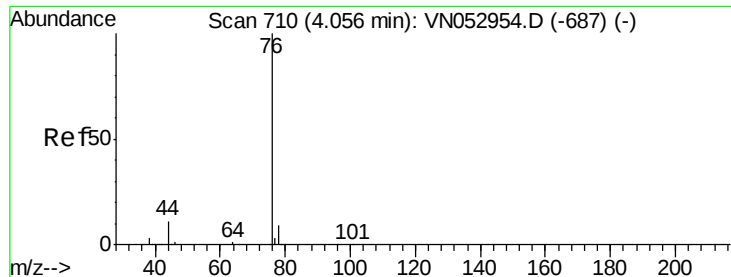
40000

20000

0

Time-->

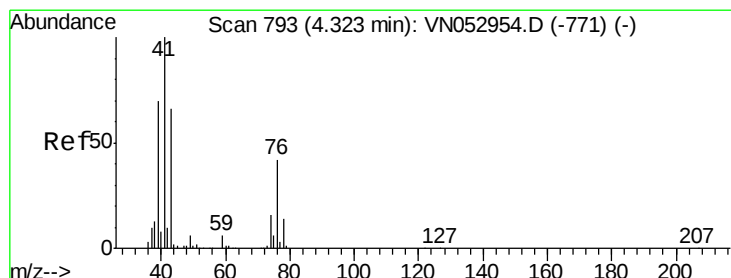
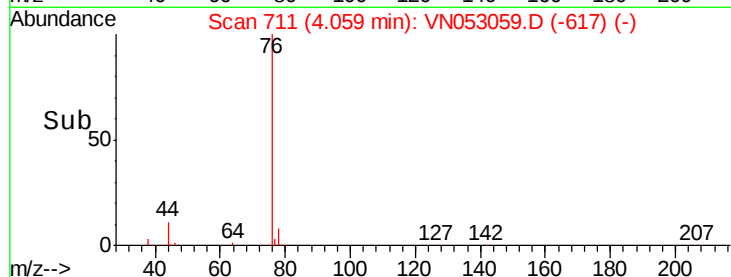
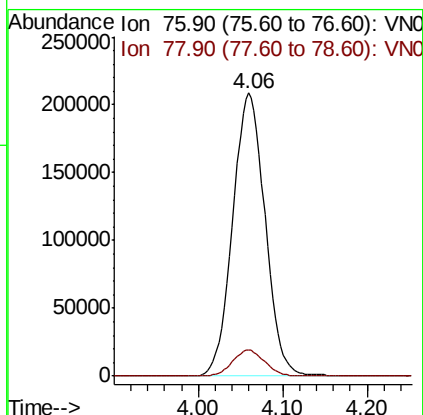
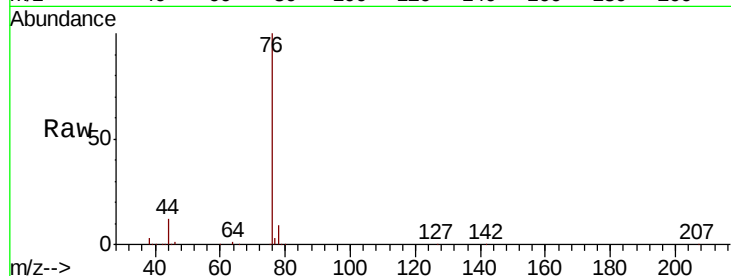




#17
Carbon Disulfide
Concen: 16.811 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

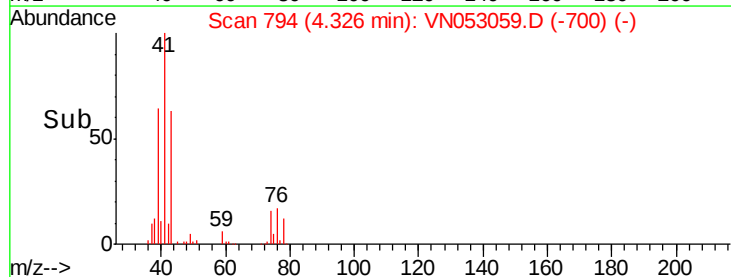
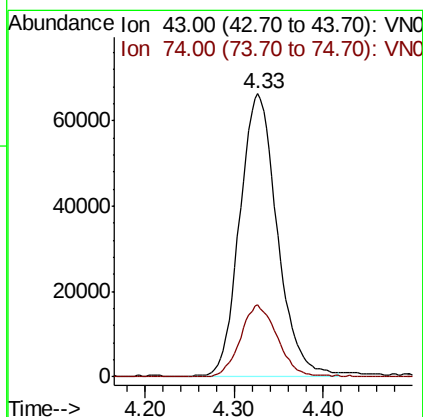
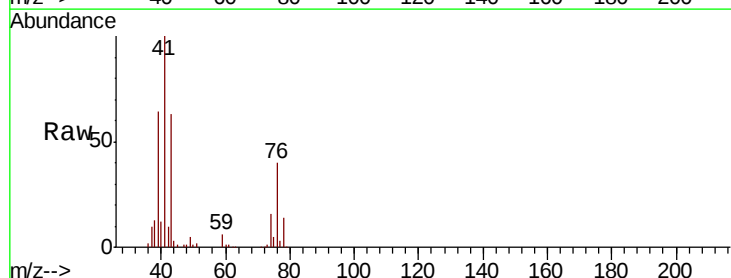
Instrument :
MSVOA_N
ClientSampled :
BFB

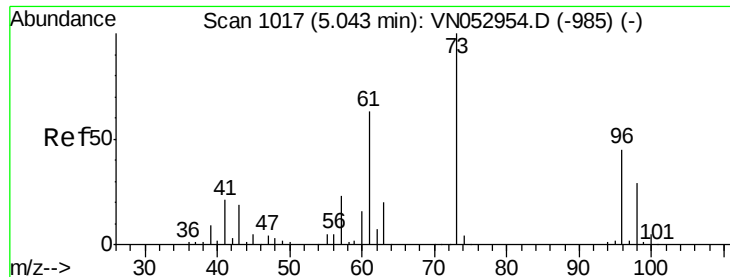
Tot Ion: 76 Resp: 558867
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 20.590 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 43 Resp: 193117
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8



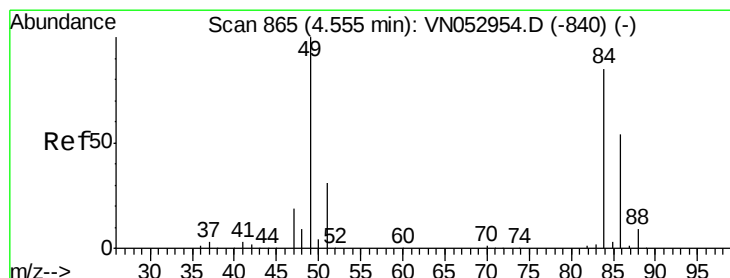
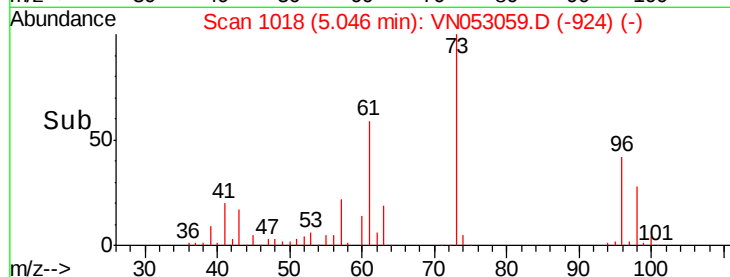
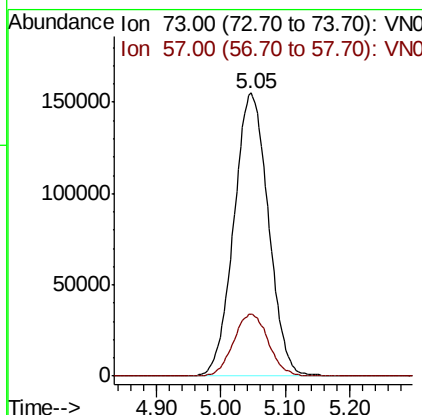
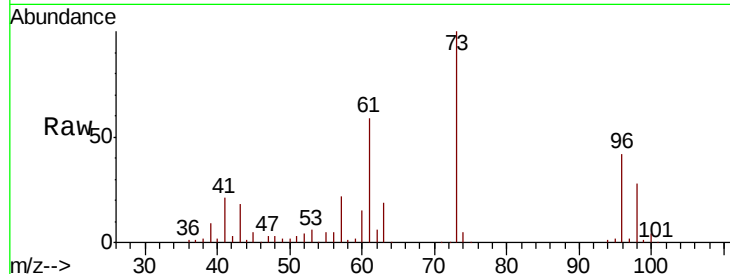


#19

Methyl tert-butyl Ether
 Concen: 21.194 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

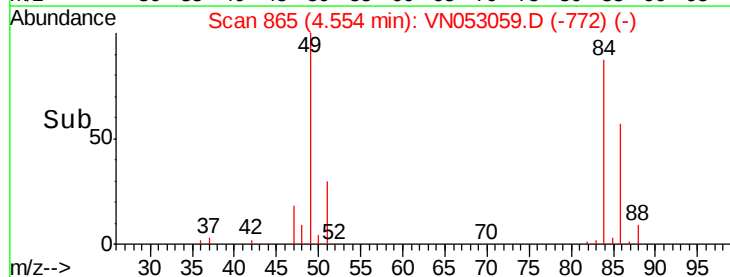
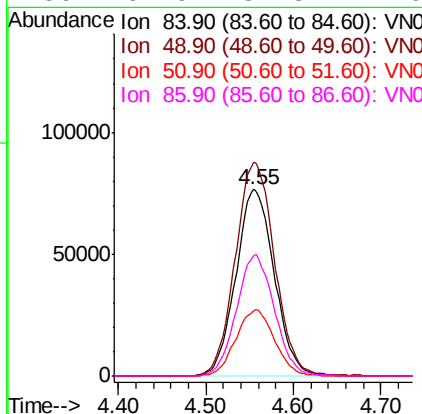
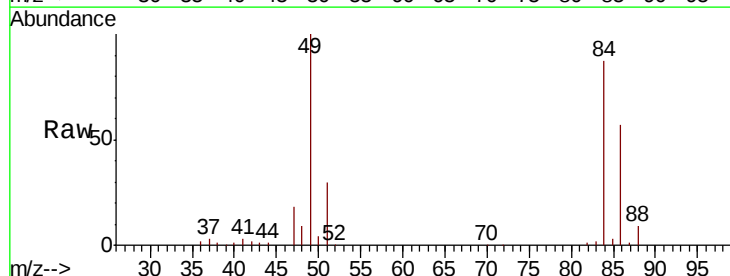
Tot Ion: 73 Resp: 578163
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.4 27.6

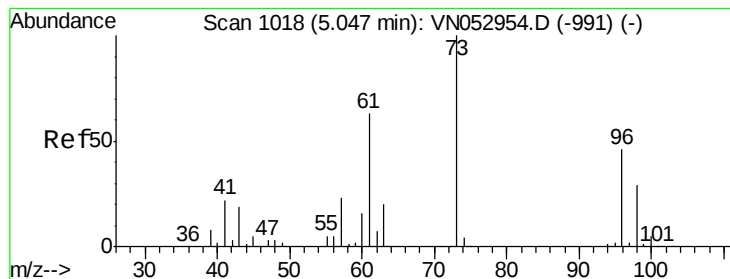


#20

Methylene Chloride
 Concen: 20.142 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 84 Resp: 233811
 Ion Ratio Lower Upper
 84 100
 49 114.6 96.8 145.2
 51 34.9 29.9 44.9
 86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.517 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

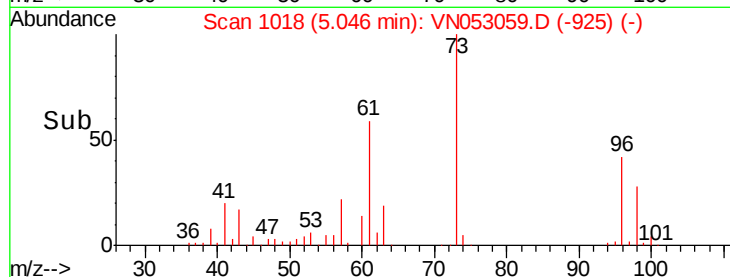
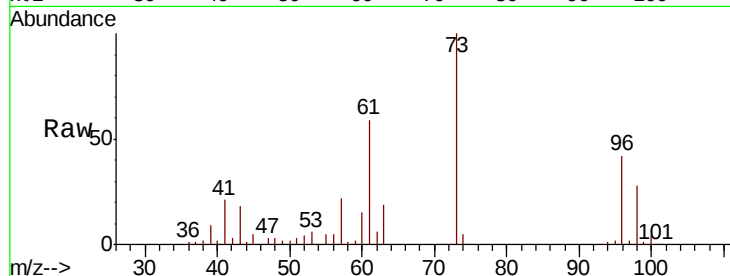
Tot Ion: 96 Resp: 213749

Ion Ratio Lower Upper

96 100

61 139.2 110.8 166.2

98 66.3 51.4 77.2

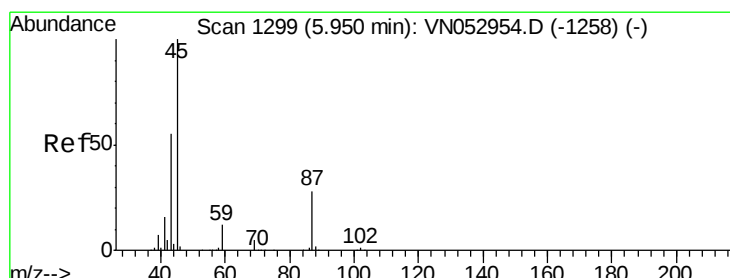
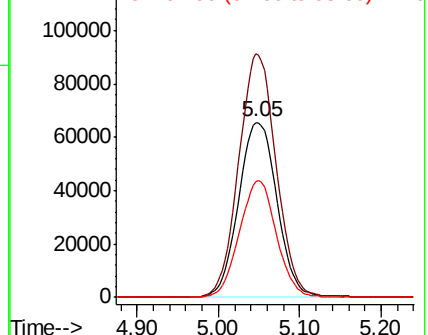


Abundance

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: 21.086 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion: 45 Resp: 710678

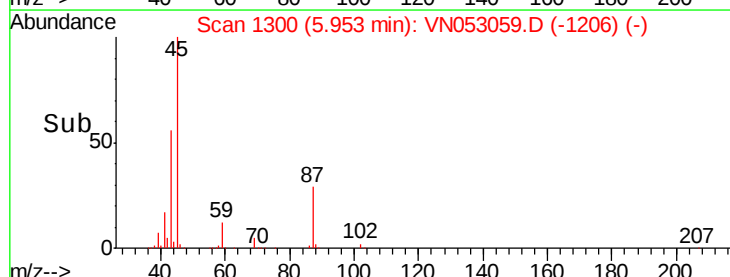
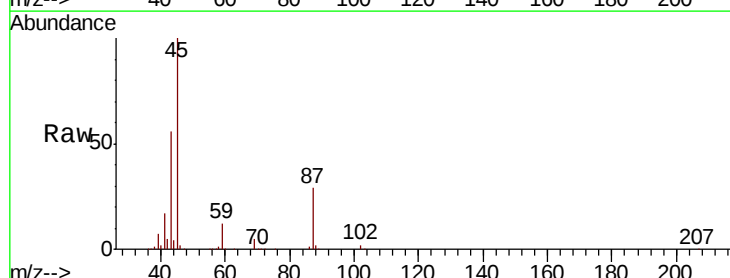
Ion Ratio Lower Upper

45 100

43 54.8 45.5 68.3

87 28.8 22.0 33.0

59 12.2 9.4 14.0



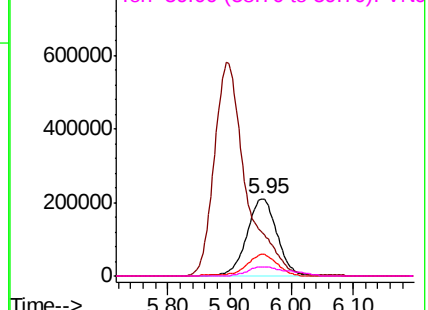
Abundance

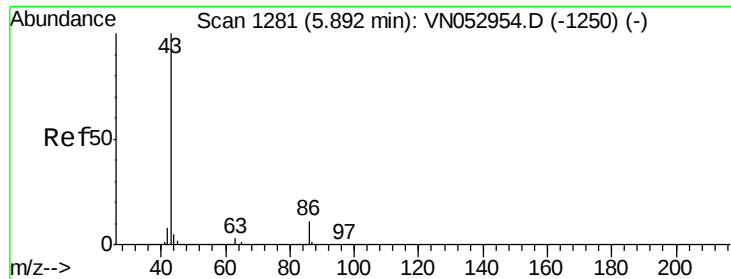
Ion 45.00 (44.70 to 45.70): VN0

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

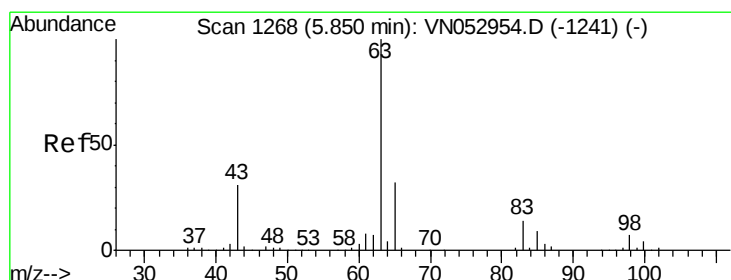
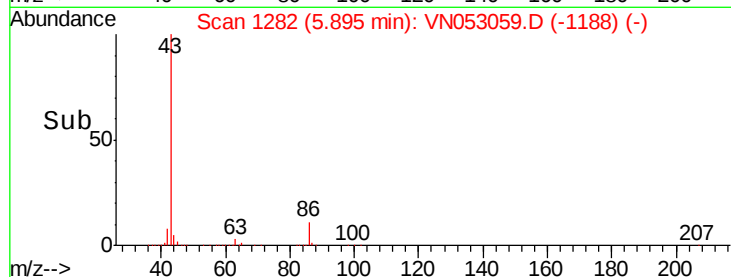
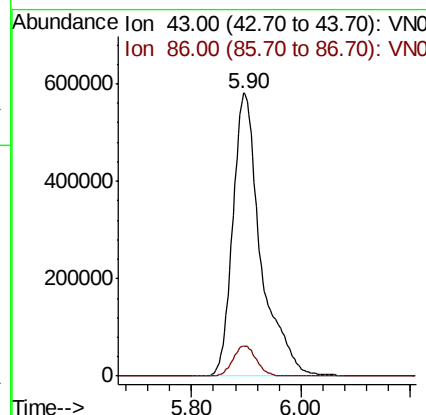
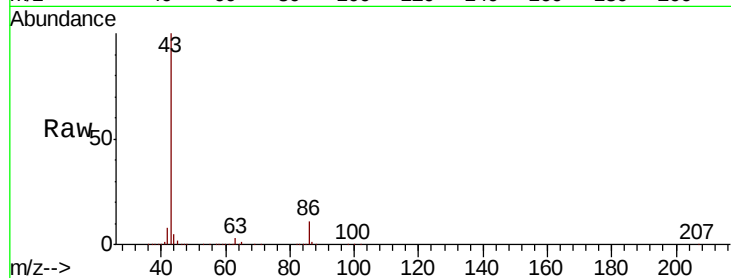




#23
 Vinyl Acetate
 Concen: 106.798 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

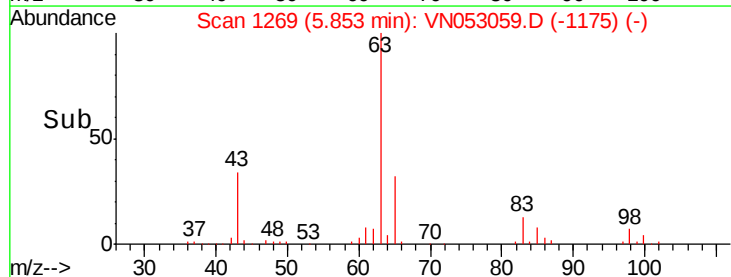
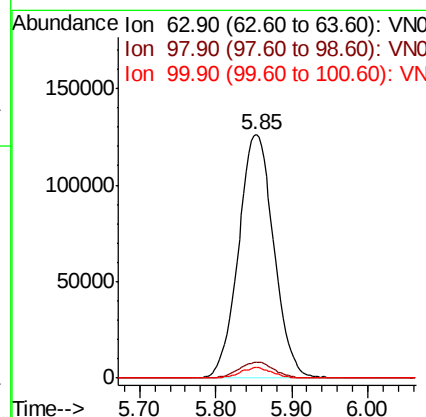
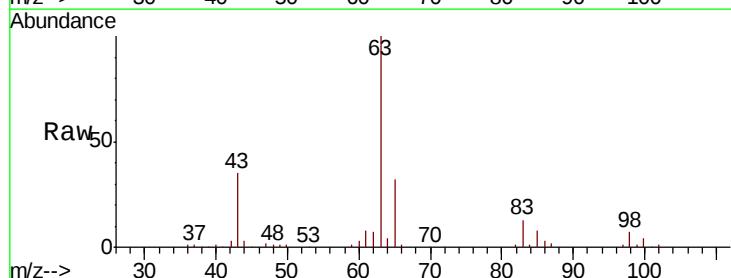
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

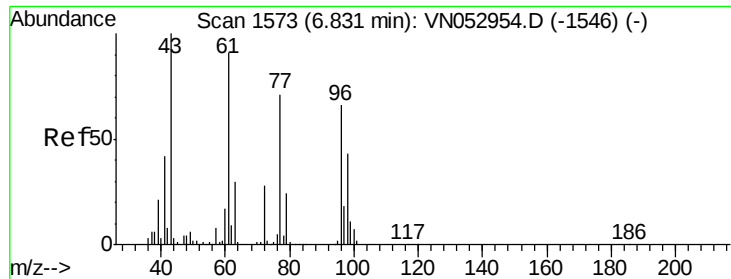
Tot Ion: 43 Resp: 2069783
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.269 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 63 Resp: 405929
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 110.680 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

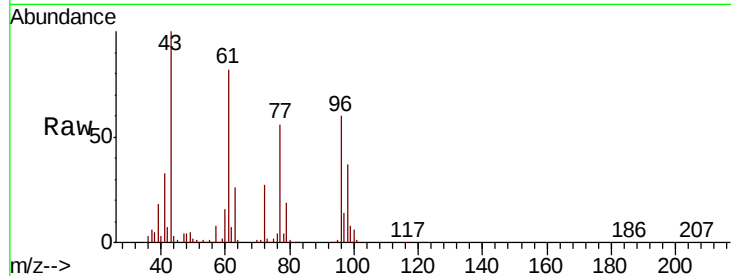
BFB

Tot Ion: 43 Resp: 395272

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

100000

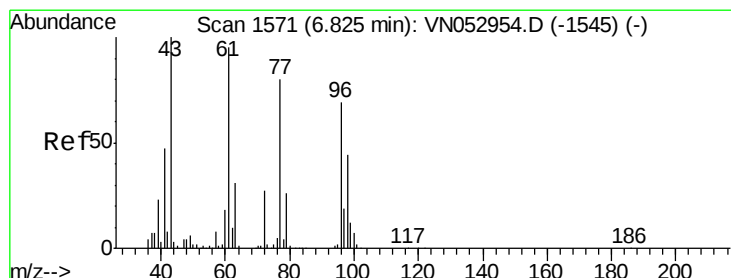
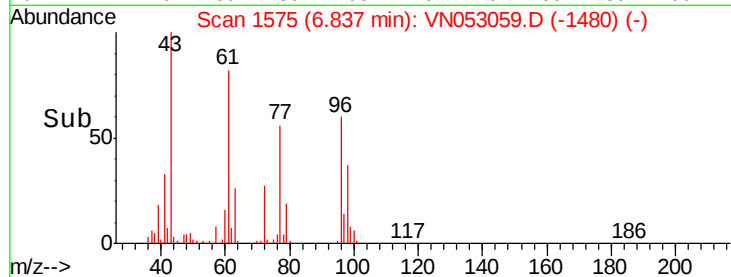
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 17.579 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053059.D

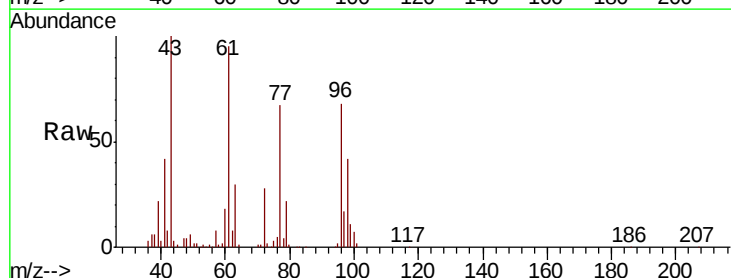
Acq: 20 Dec 2018 16:21

Tgt Ion: 77 Resp: 268745

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

40000

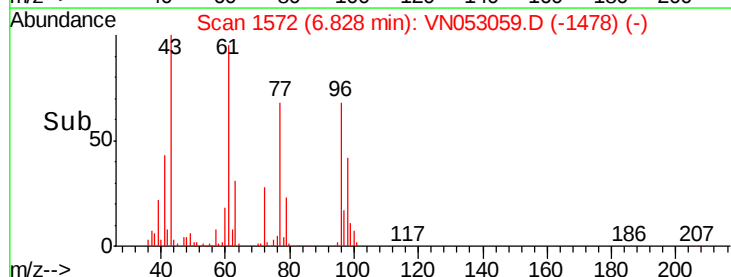
20000

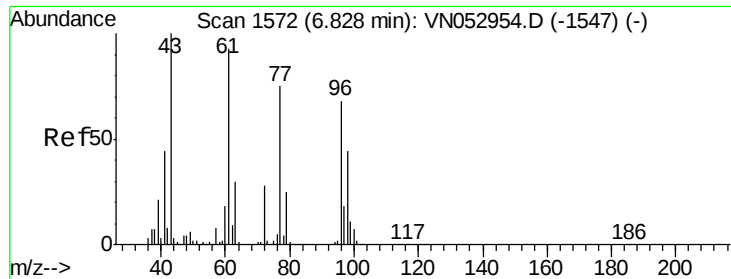
0

6.70 6.80 6.90 7.00

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

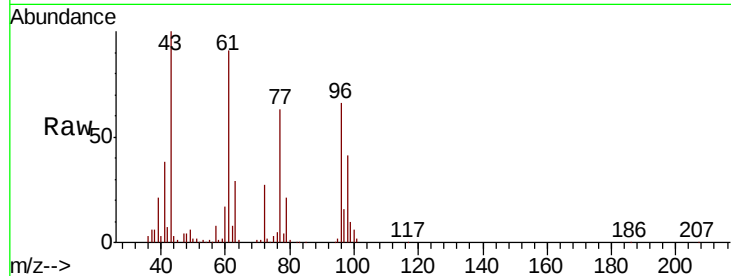
Tot Ion: 96 Resp: 251526

Ion Ratio Lower Upper

96 100

61 139.8 0.0 284.2

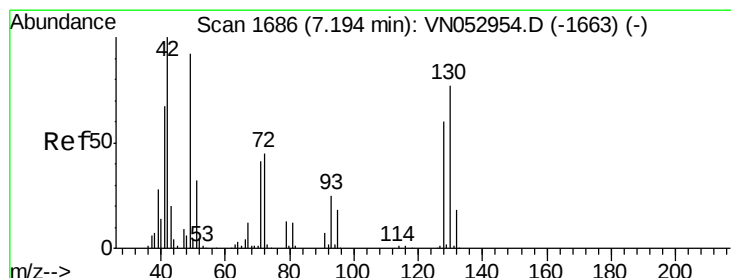
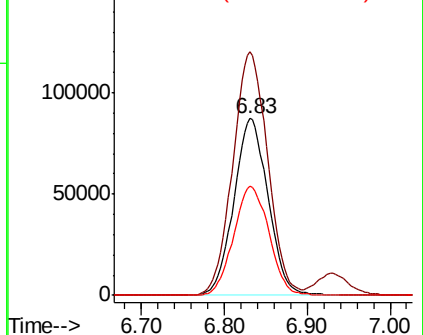
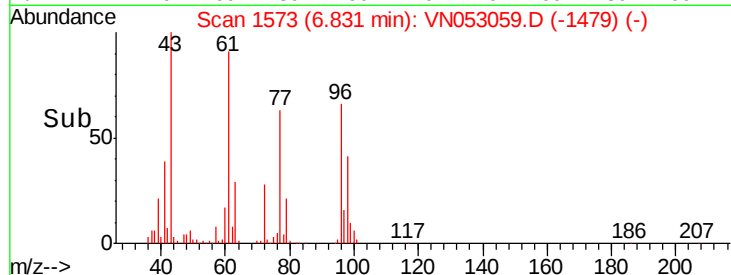
98 63.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053059.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053059.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053059.D (-1479) (-)



#28

Bromochloromethane

Concen: 20.718 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

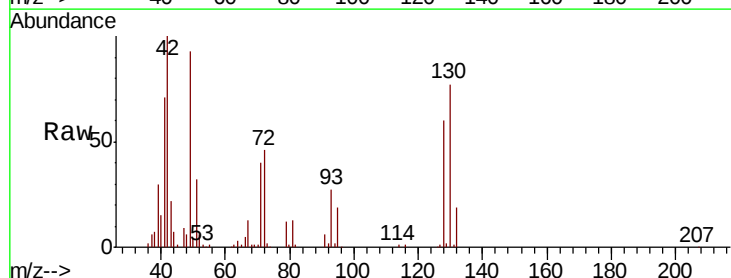
Tgt Ion: 49 Resp: 179800

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

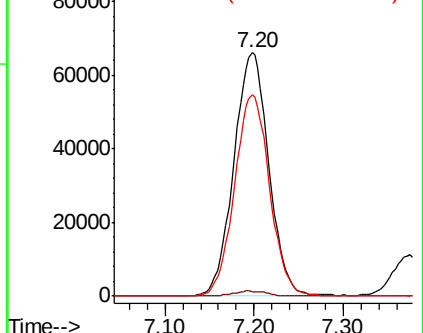
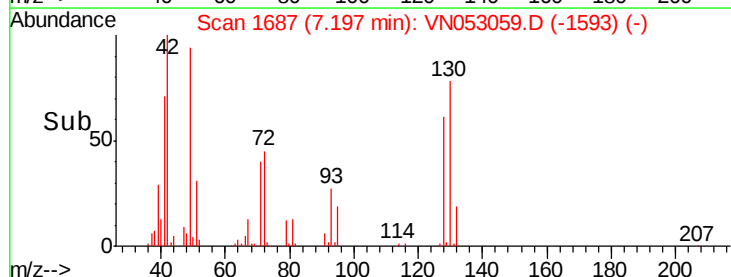
130 82.9 63.3 94.9

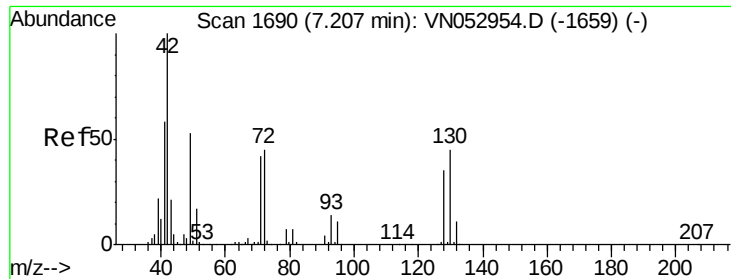


Abundance Ion 48.90 (48.60 to 49.60): VN053059.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053059.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053059.D (-1593) (-)

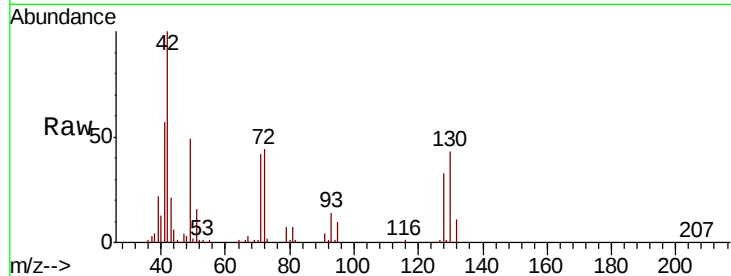




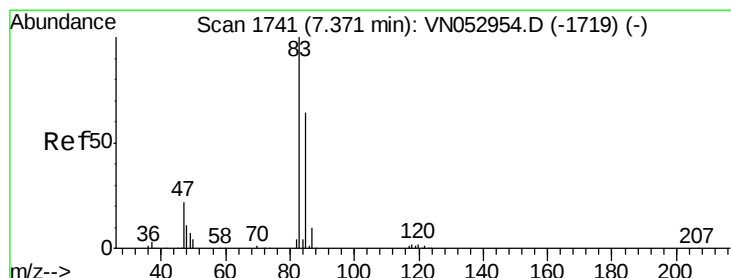
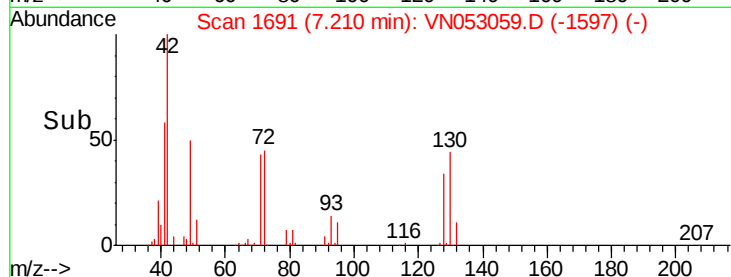
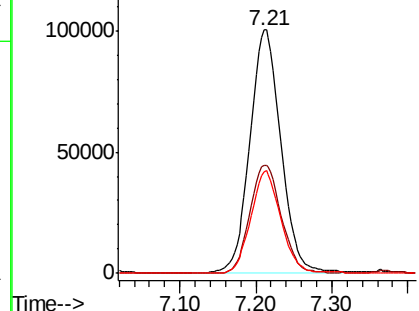
#29
Tetrahydrofuran
Concen: 107.161 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 42 Resp: 285829
Ion Ratio Lower Upper
42 100
72 44.8 34.7 52.1
71 41.0 32.3 48.5

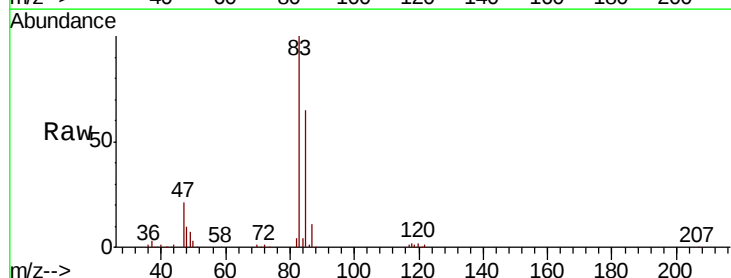


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

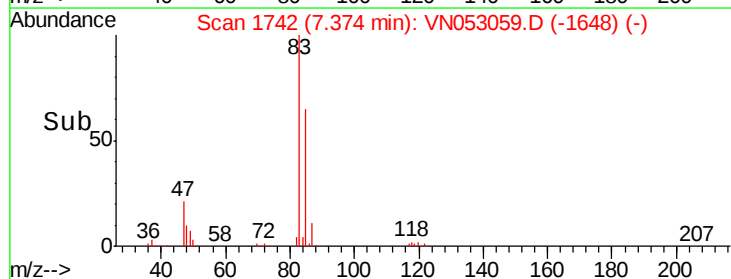
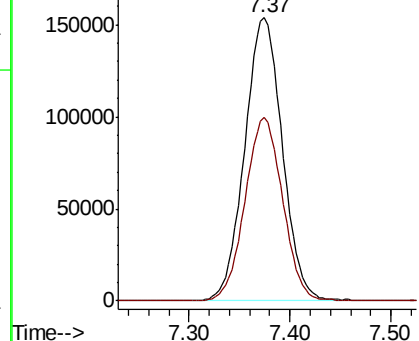


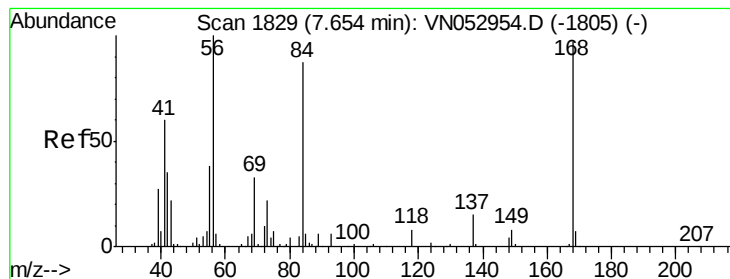
#30
Chloroform
Concen: 20.237 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 83 Resp: 398144
Ion Ratio Lower Upper
83 100
85 65.0 52.1 78.1



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





#31

Cyclohexane

Concen: 19.493 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

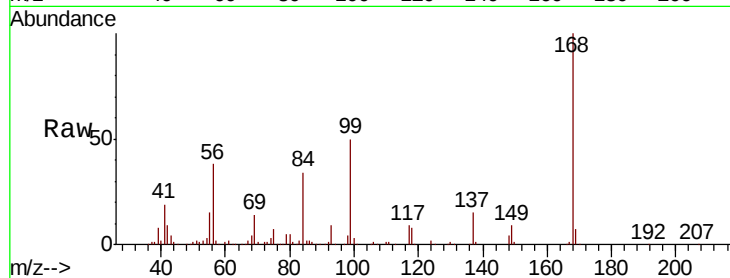
Tot Ion: 56 Resp: 378188

Ion Ratio Lower Upper

56 100

69 37.4 26.6 39.8

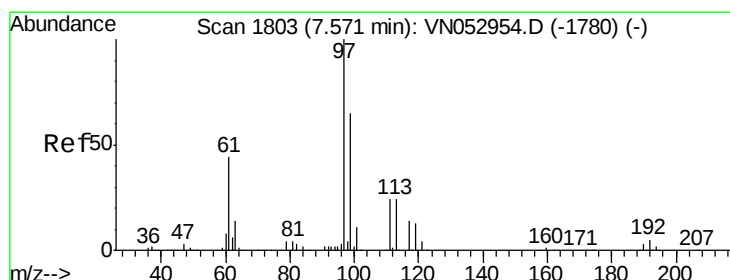
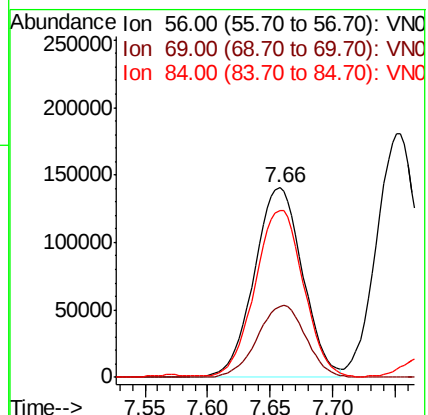
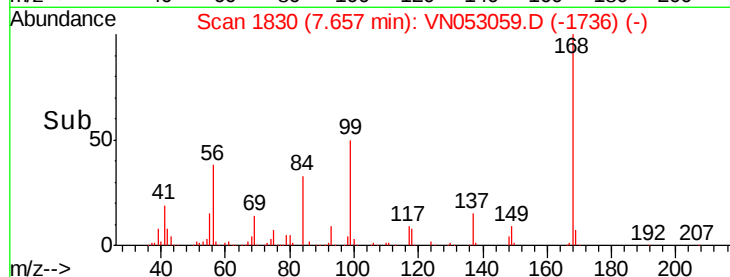
84 87.3 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN052954.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN052954.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 19.890 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

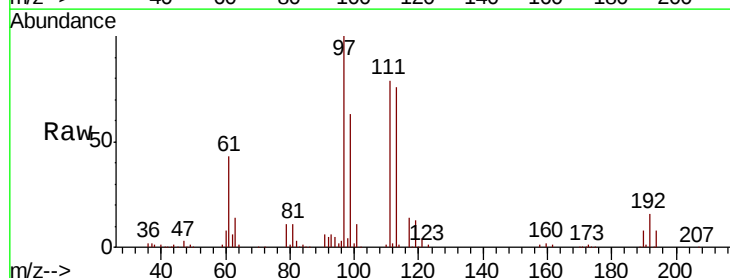
Tgt Ion: 97 Resp: 333355

Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

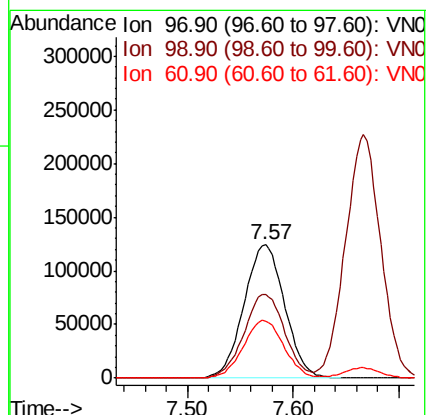
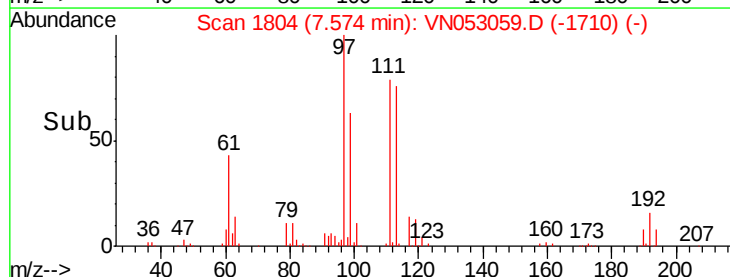
61 43.1 35.0 52.6

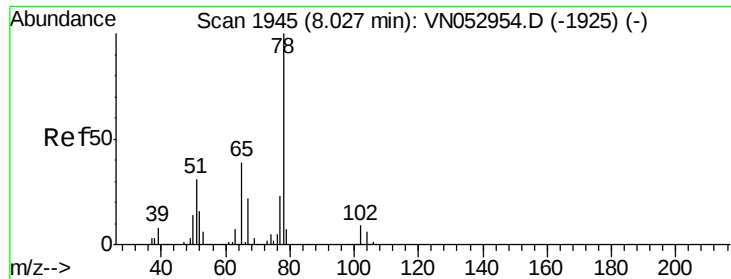


Abundance Ion 96.90 (96.60 to 97.60): VN052954.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1780) (-)

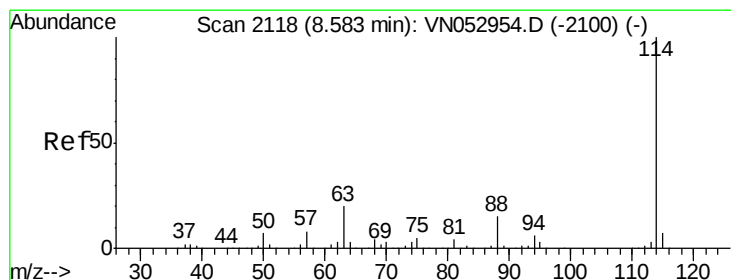
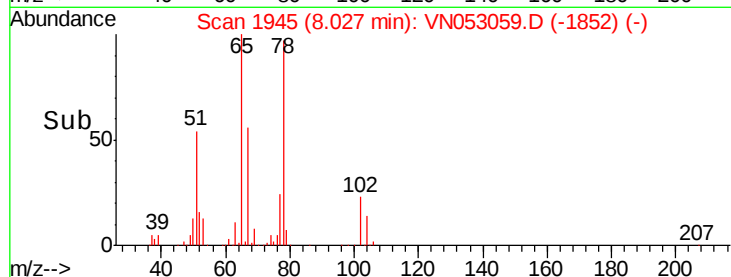
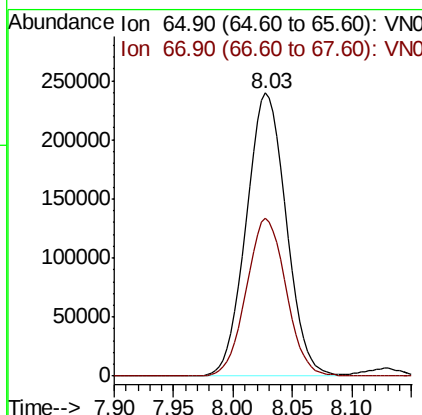
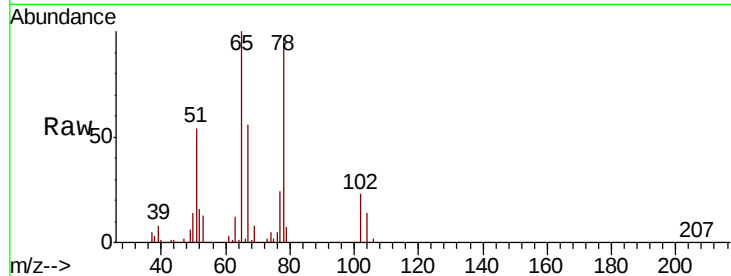




#33
 1,2-Dichloroethane-d4
 Concen: 19.890 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

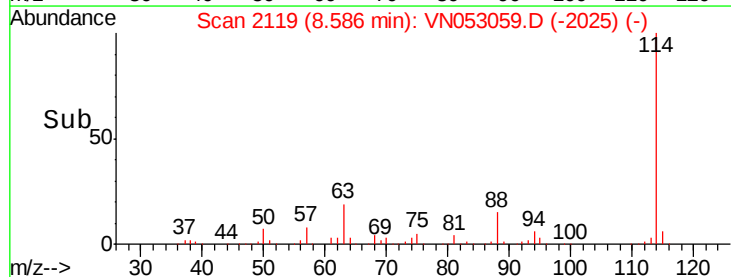
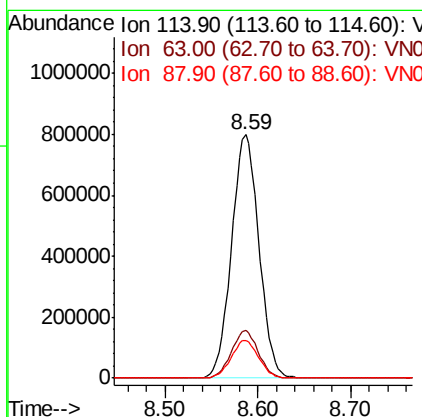
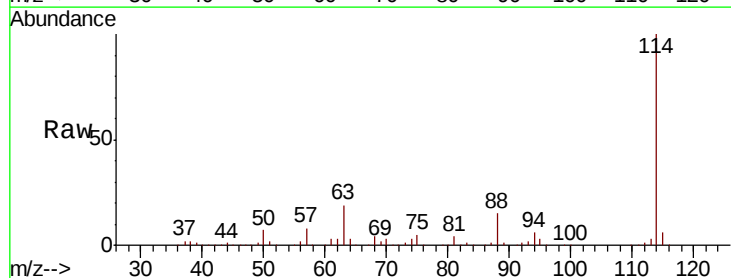
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

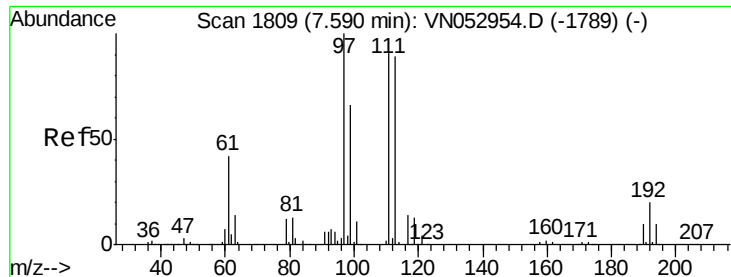
Tot Ion: 65 Resp: 558166
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 114 Resp: 1636791
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

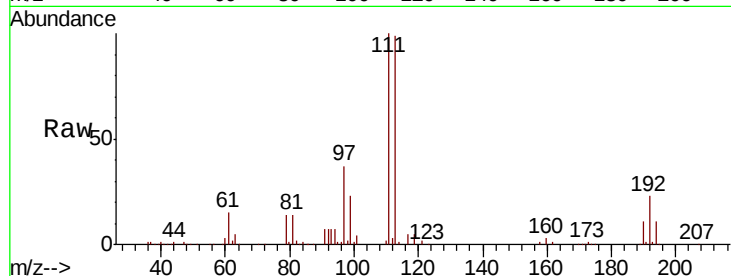
Tot Ion:113 Resp: 439045

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

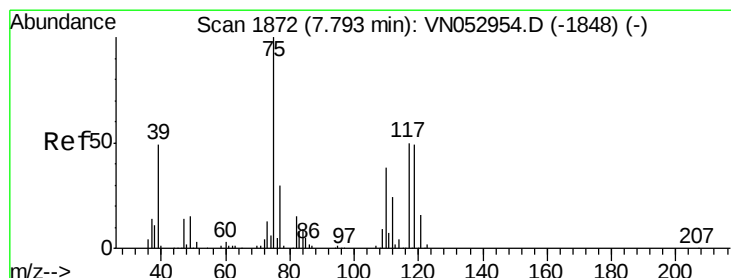
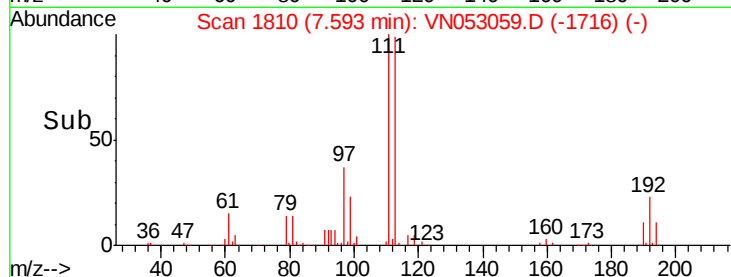
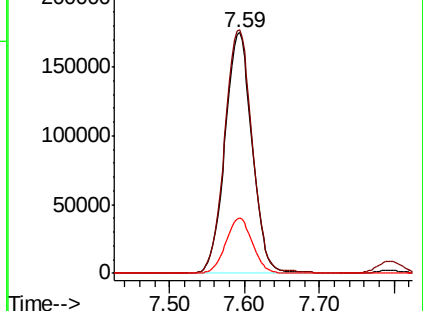
192 22.6 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.432 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

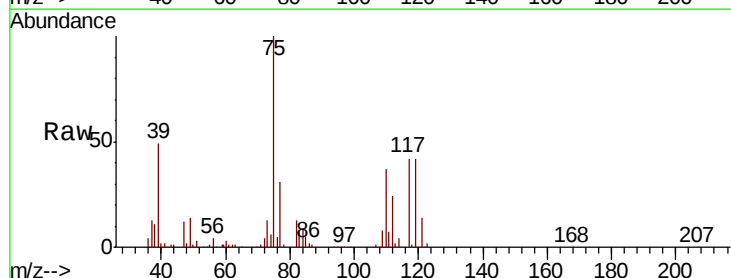
Tgt Ion: 75 Resp: 305287

Ion Ratio Lower Upper

75 100

110 36.4 18.2 54.6

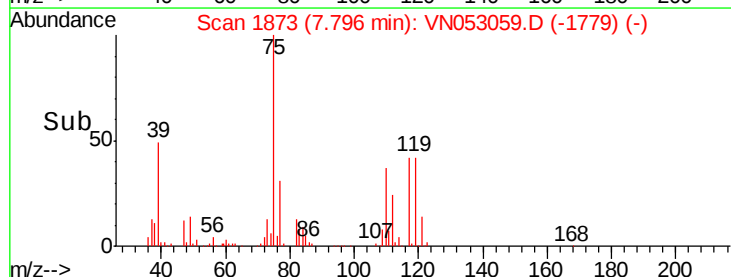
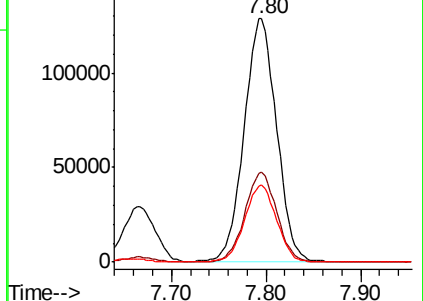
77 31.5 24.9 37.3

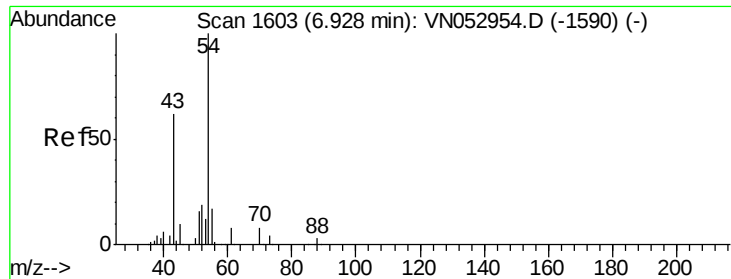


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

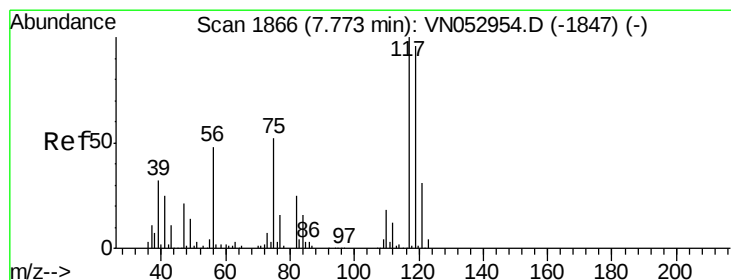
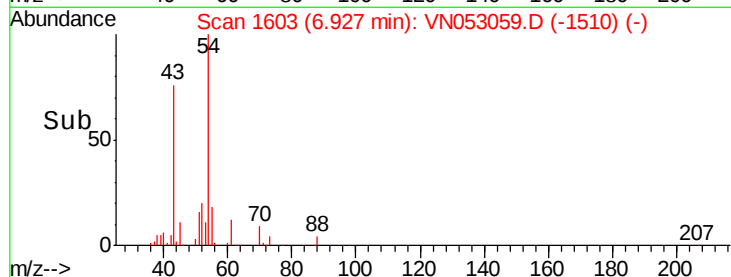
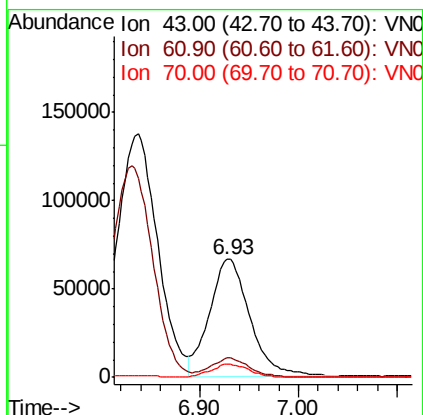
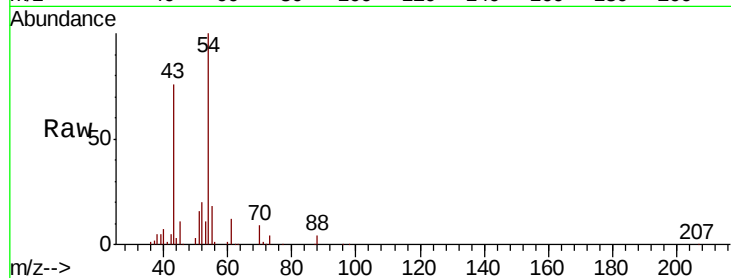




#37
Ethyl Acetate
Concen: 21.523 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

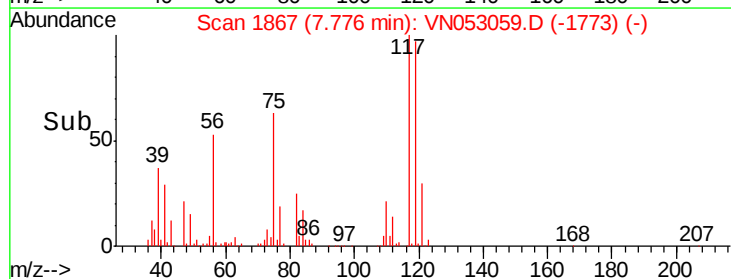
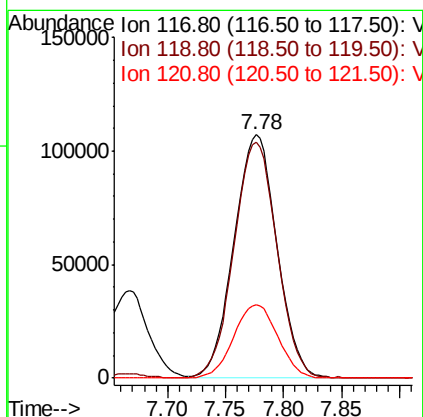
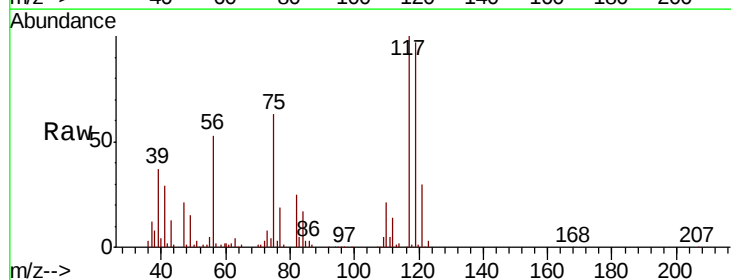
Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 43 Resp: 188760
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.104 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 117 Resp: 275096
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7
121 30.2 24.9 37.3

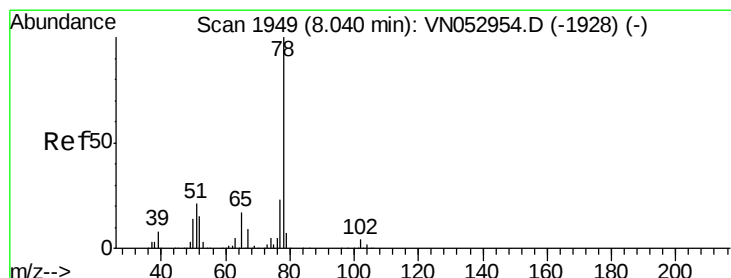
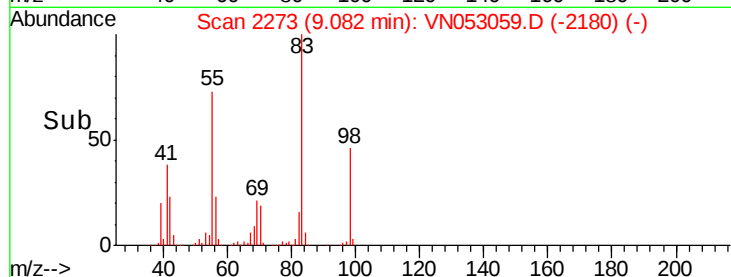
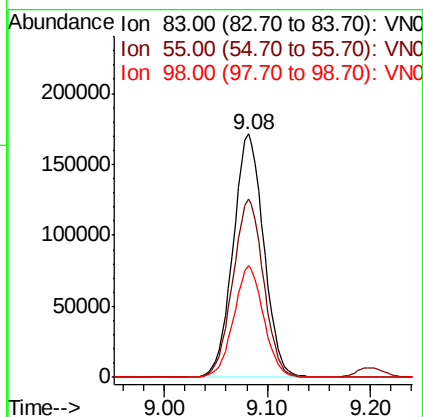
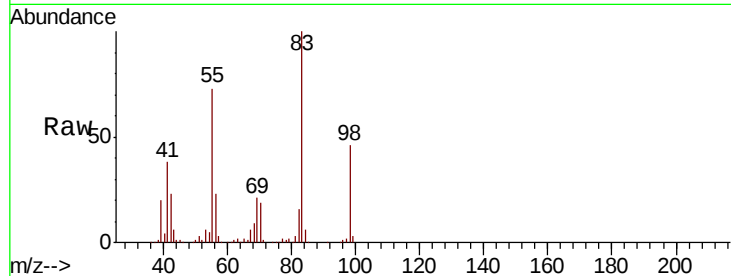




#39
Methvlcvclohexane
Concen: 18.616 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

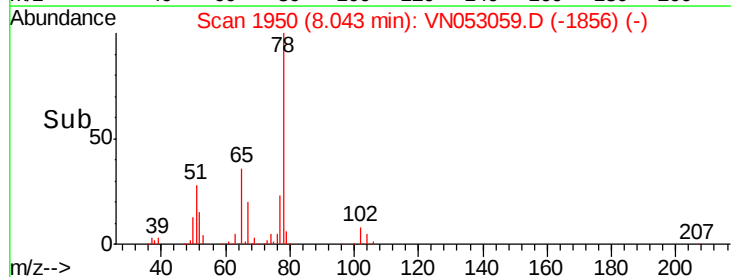
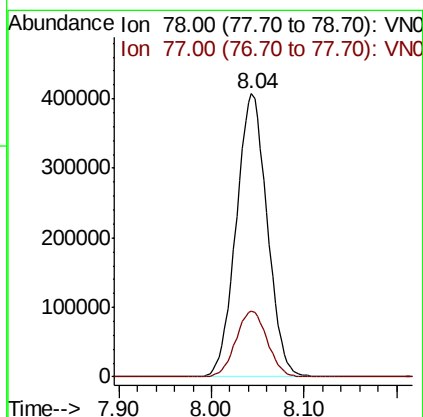
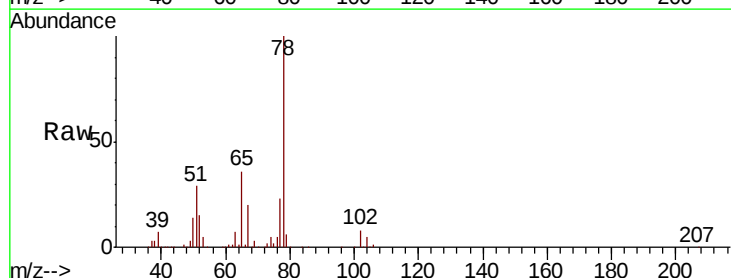
Instrument :
MSVOA_N
ClientSampled :
BFB

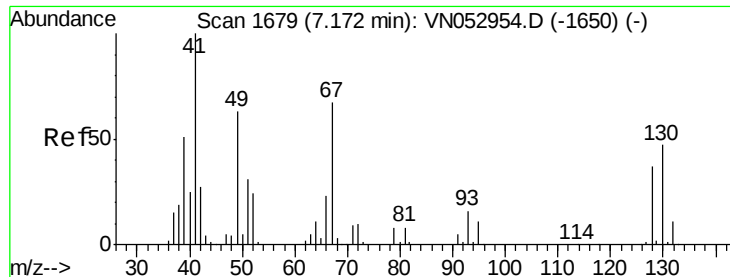
Tot Ion: 83 Resp: 355283
Ion Ratio Lower Upper
83 100
55 73.1 61.3 91.9
98 45.7 37.0 55.4



#40
Benzene
Concen: 20.217 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 78 Resp: 944745
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

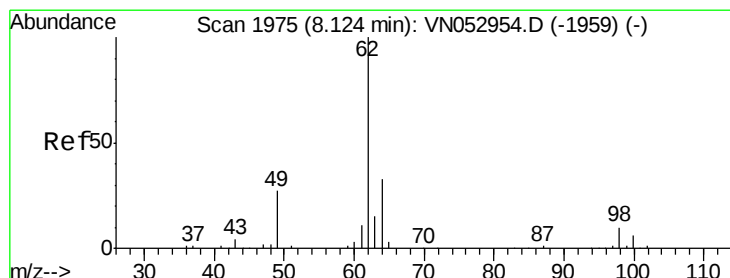
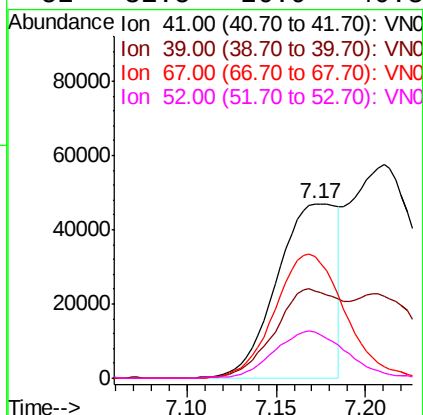
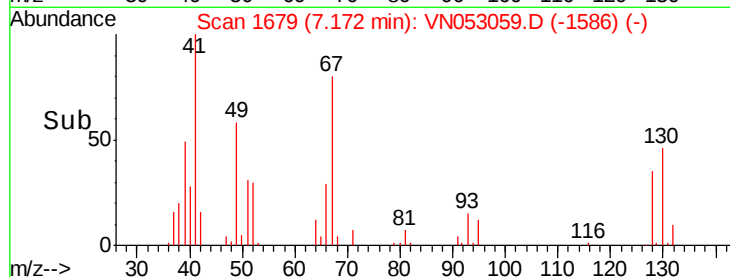
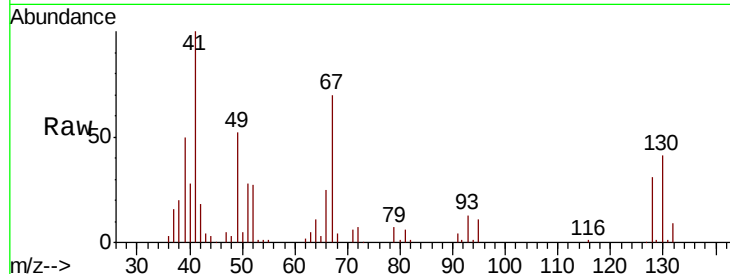




#41
Methacrylonitrile
Concen: 21.654 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

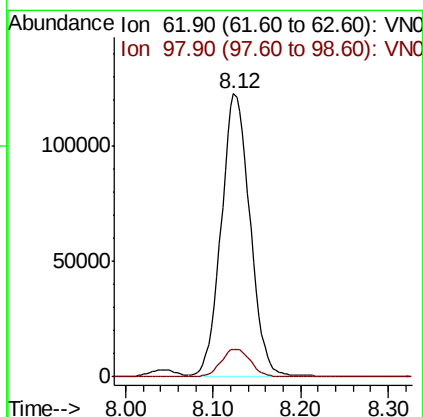
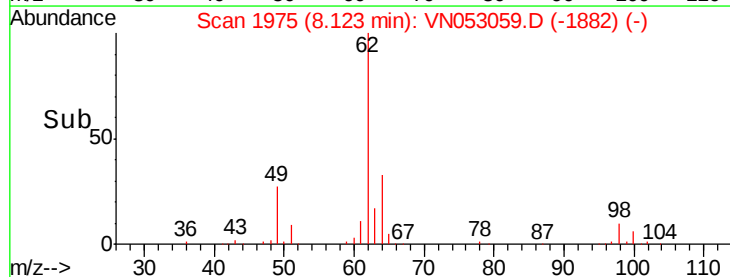
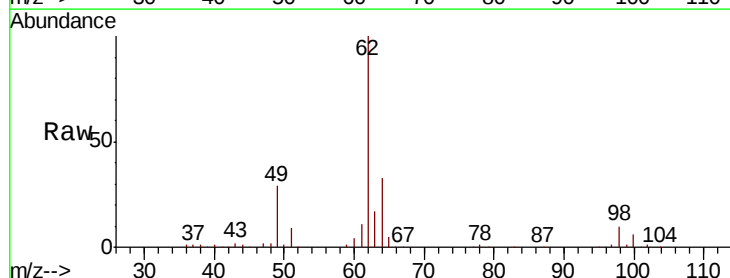
Instrument :
MSVOA_N
ClientSampled :
BFB

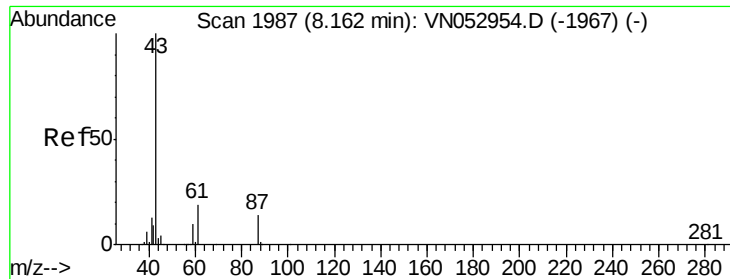
Tot Ion: 41 Resp: 109728
Ion Ratio Lower Upper
41 100
39 58.4 48.0 72.0
67 83.4 70.3 105.5
52 31.5 26.9 40.3



#42
1,2-Dichloroethane
Concen: 20.323 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 62 Resp: 280562
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.275 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

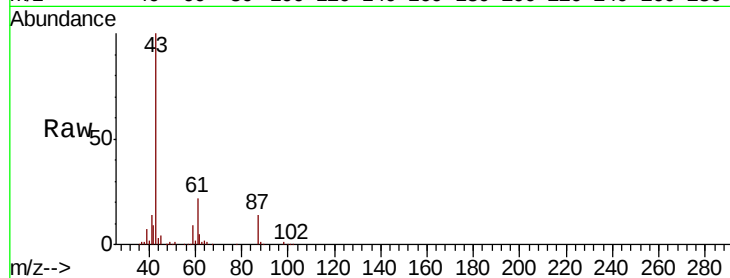
Tot Ion: 43 Resp: 354644

Ion Ratio Lower Upper

43 100

61 28.6 22.9 34.3

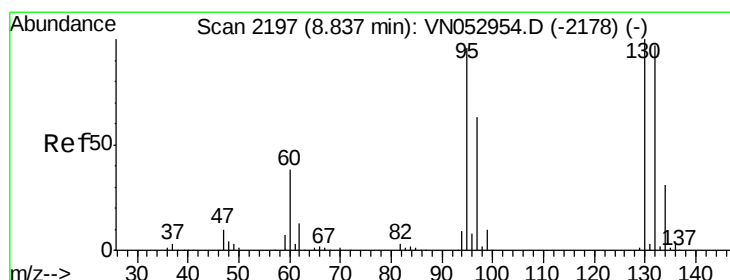
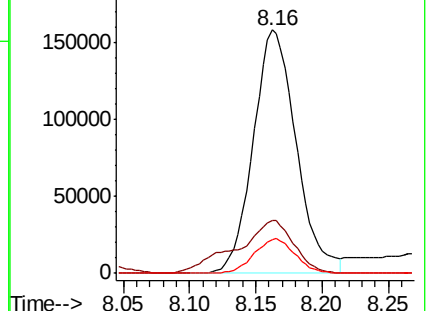
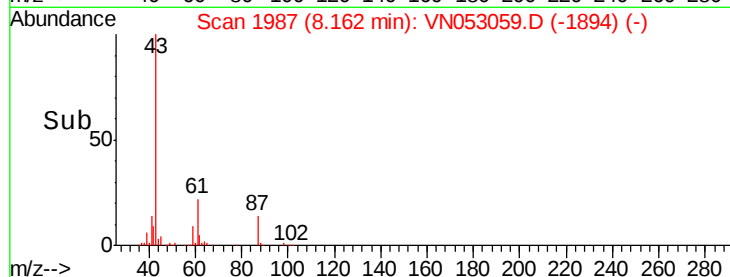
87 13.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 19.478 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053059.D

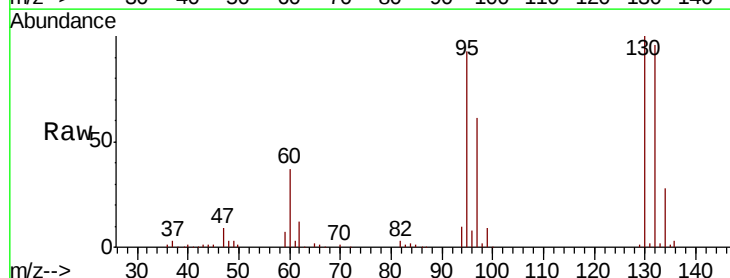
Acq: 20 Dec 2018 16:21

Tgt Ion: 130 Resp: 263263

Ion Ratio Lower Upper

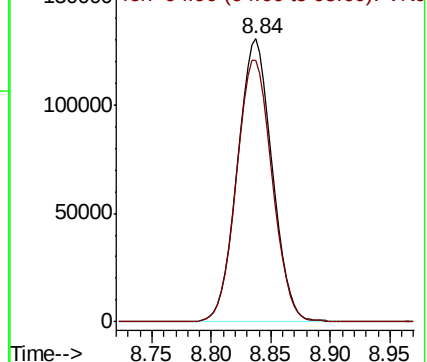
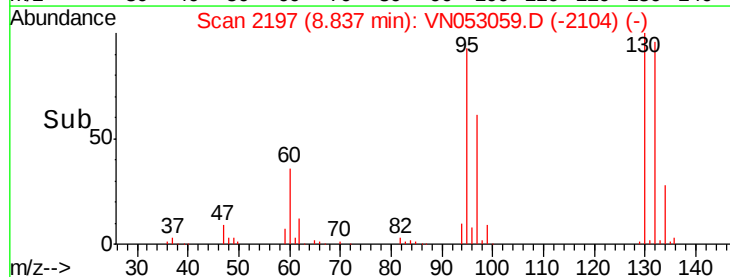
130 100

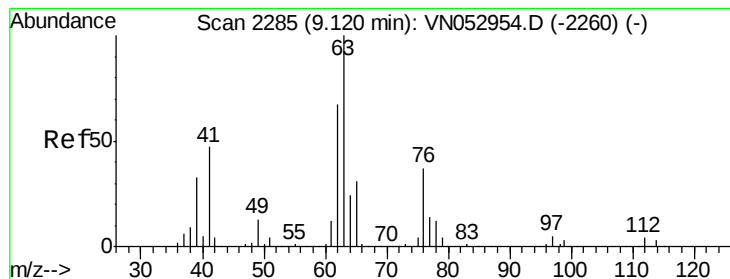
95 92.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 20.680 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

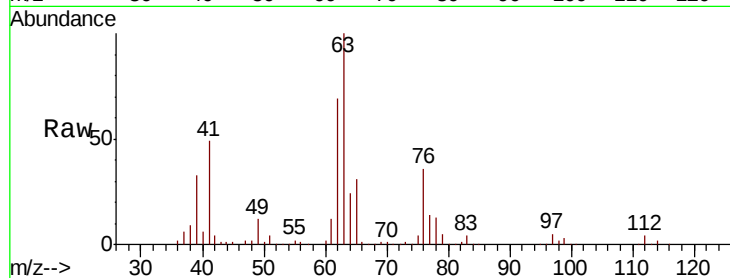
BFB

Tot Ion: 63 Resp: 251712

Ion Ratio Lower Upper

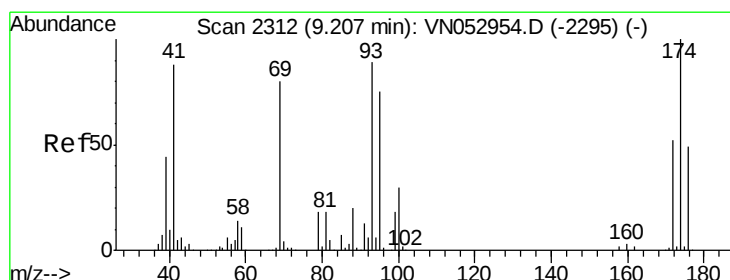
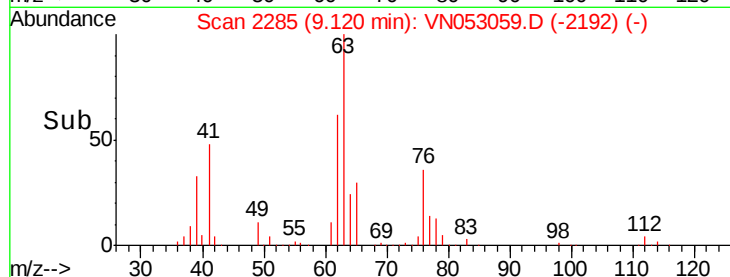
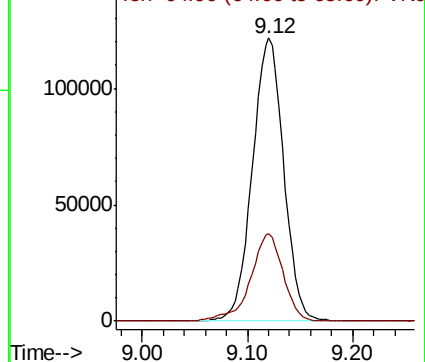
63 100

65 31.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.168 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

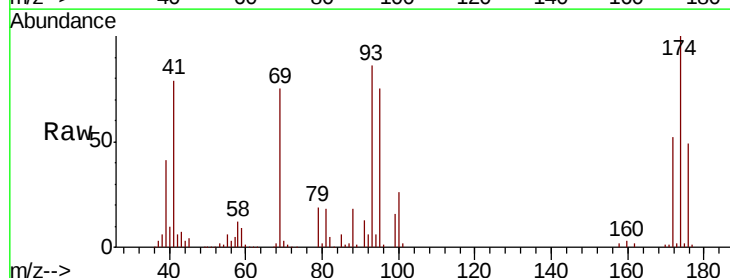
Tgt Ion: 93 Resp: 143007

Ion Ratio Lower Upper

93 100

95 83.1 67.8 101.6

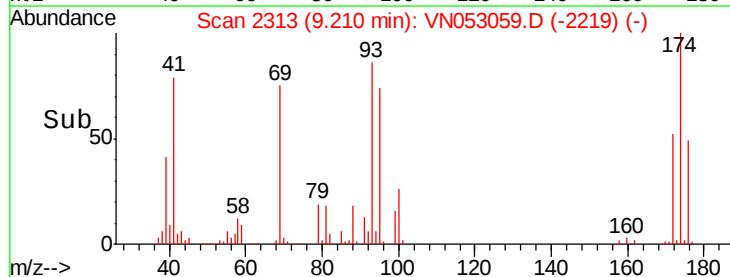
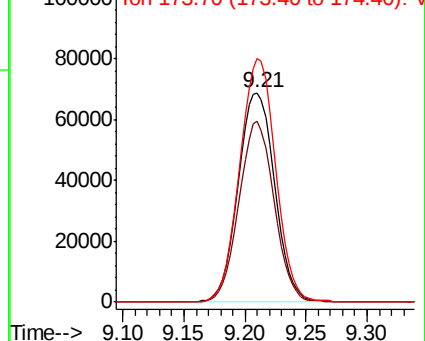
174 113.9 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

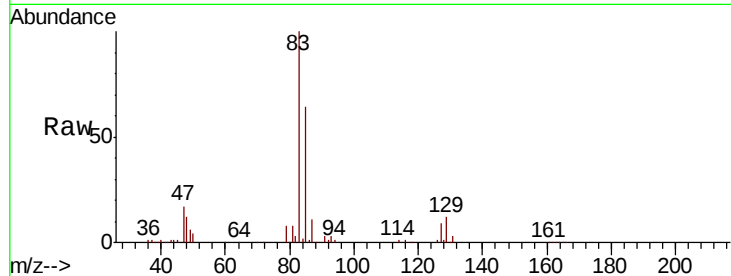




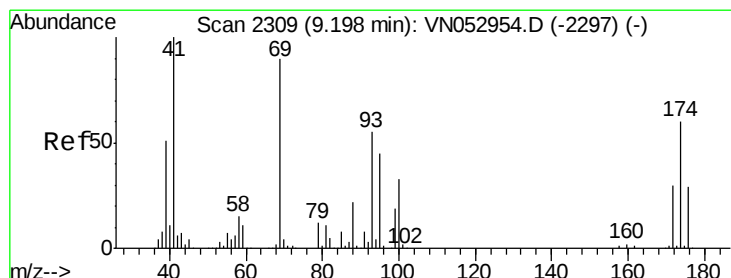
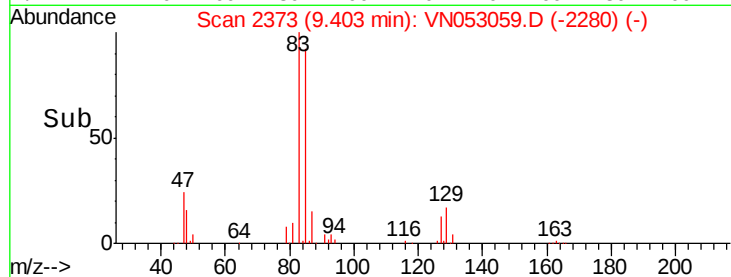
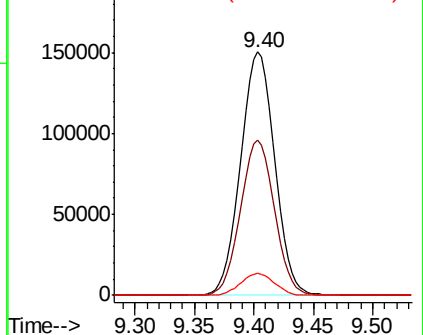
#47
Bromodichloromethane
Concen: 19.855 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 83 Resp: 299264
Ion Ratio Lower Upper
83 100
85 64.0 51.6 77.4
127 8.9 7.1 10.7

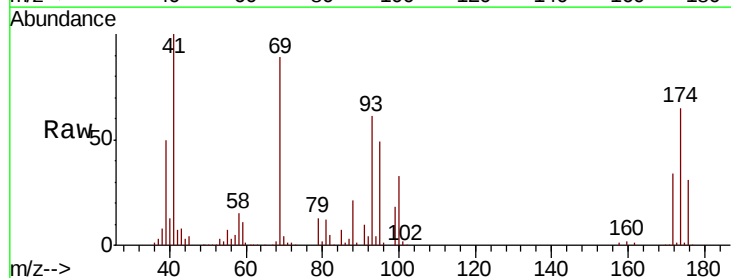


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

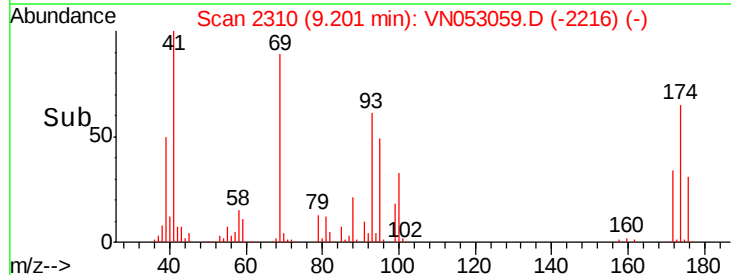
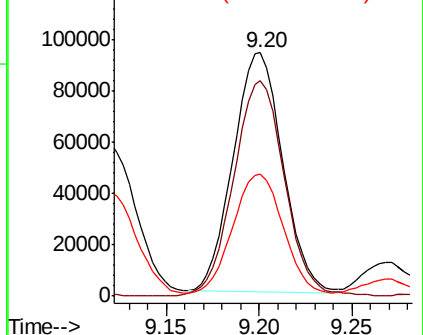


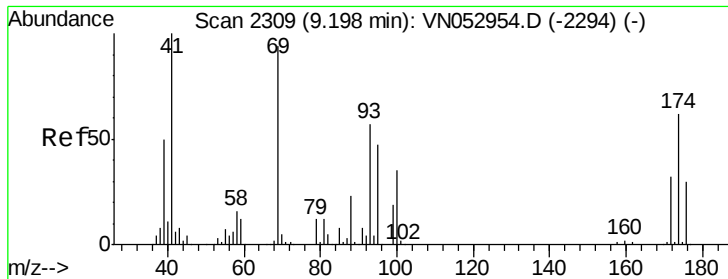
#48
Methyl methacrylate
Concen: 20.380 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 41 Resp: 173440
Ion Ratio Lower Upper
41 100
69 92.7 72.2 108.2
39 52.7 41.9 62.9



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: 380.091 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

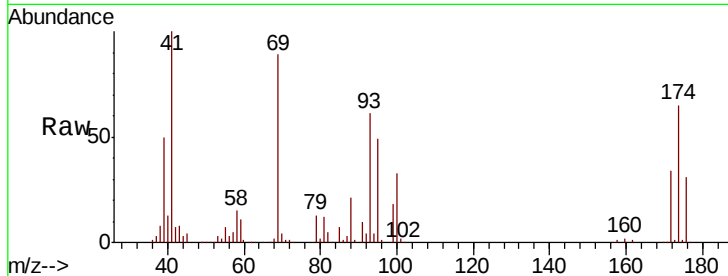
Tot Ion: 88 Resp: 40918

Ion Ratio Lower Upper

88 100

43 32.9 26.6 40.0

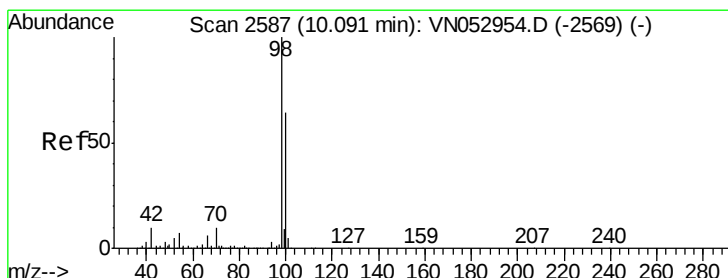
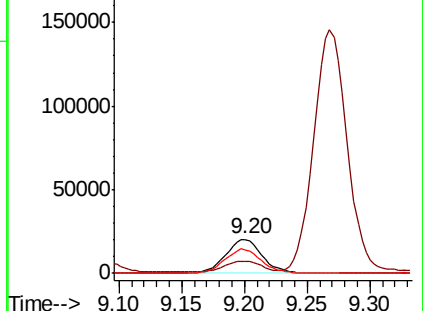
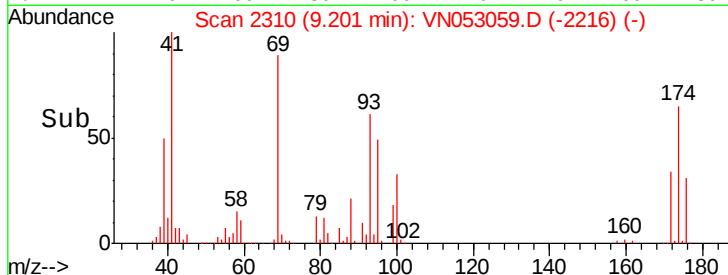
58 71.1 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN053059.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053059.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053059.D (-2216) (-)



#50

Toluene-d8

Concen: 380.091 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053059.D

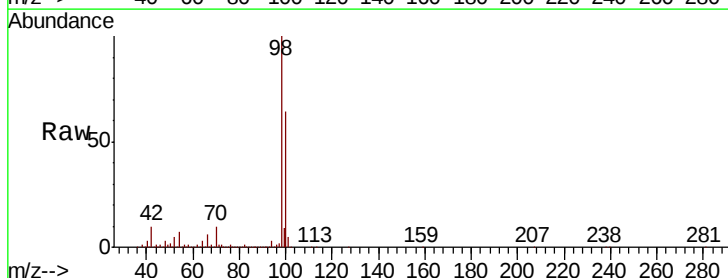
Acq: 20 Dec 2018 16:21

Tgt Ion: 98 Resp: 2039505

Ion Ratio Lower Upper

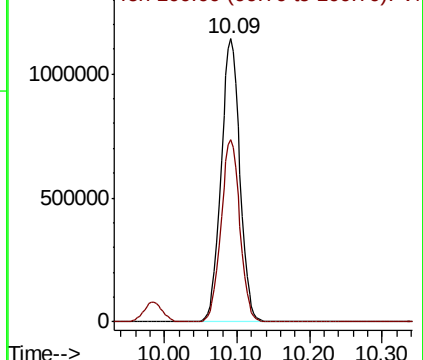
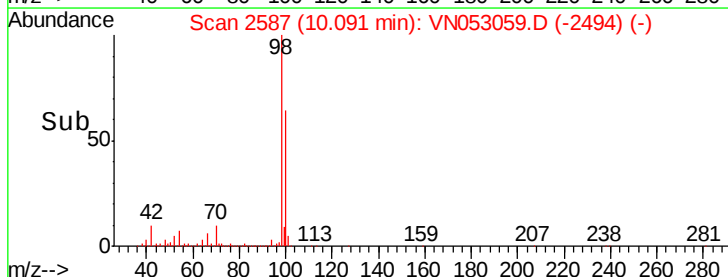
98 100

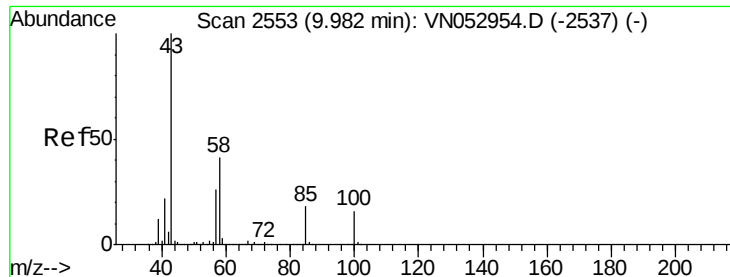
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053059.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053059.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.470 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

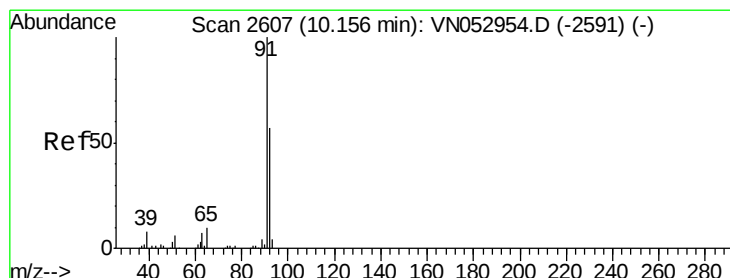
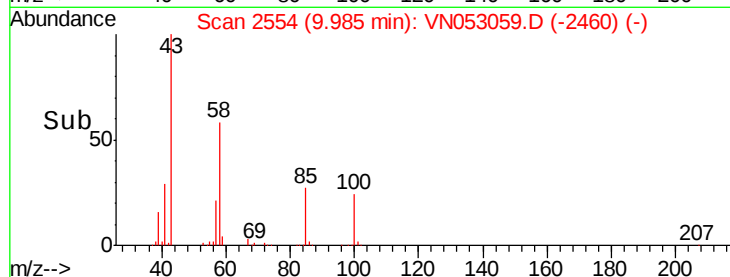
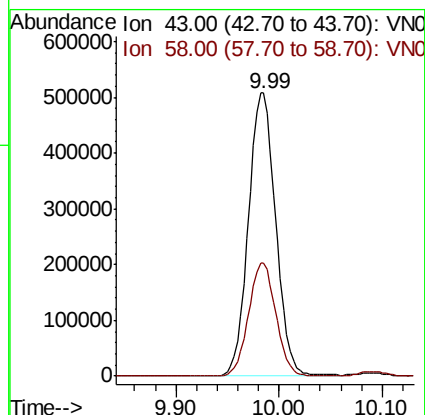
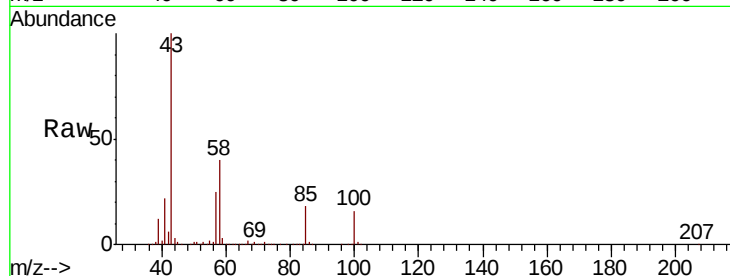
BFB

Tot Ion: 43 Resp: 929770

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.4



#52

Toluene

Concen: 20.012 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053059.D

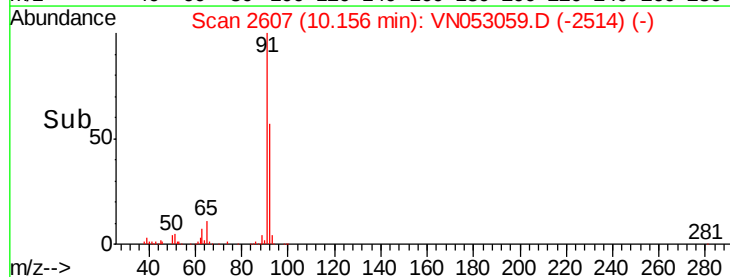
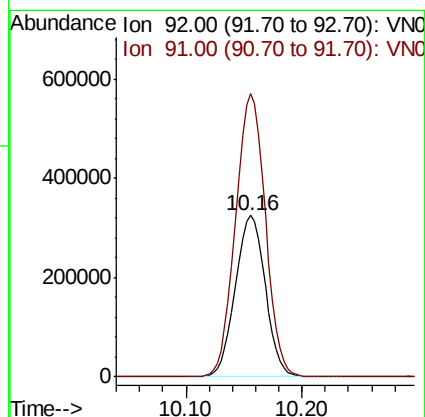
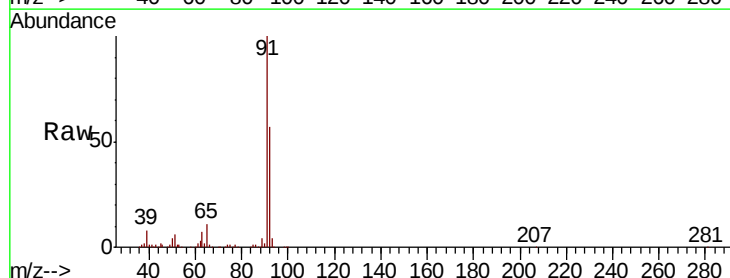
Acq: 20 Dec 2018 16:21

Tgt Ion: 92 Resp: 579627

Ion Ratio Lower Upper

92 100

91 175.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.735 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

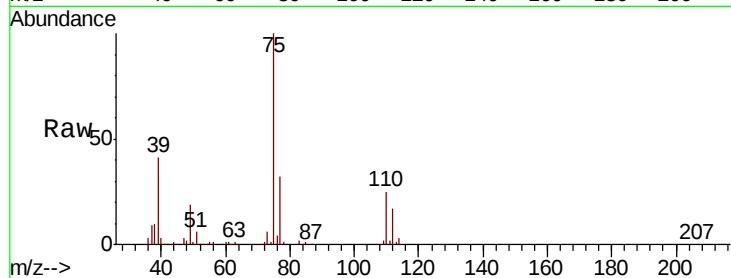
BFB

Tot Ion: 75 Resp: 296936

Ion Ratio Lower Upper

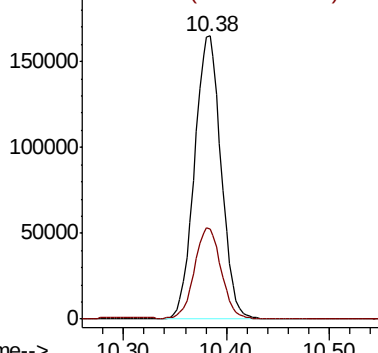
75 100

77 31.7 25.6 38.4

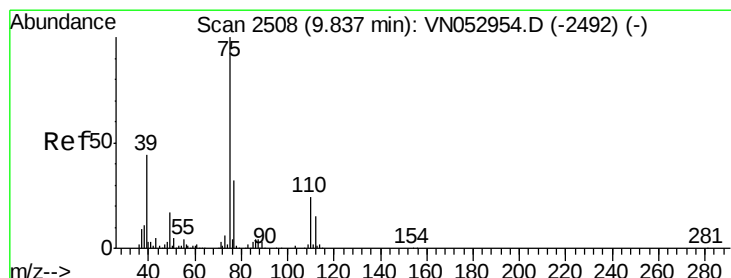
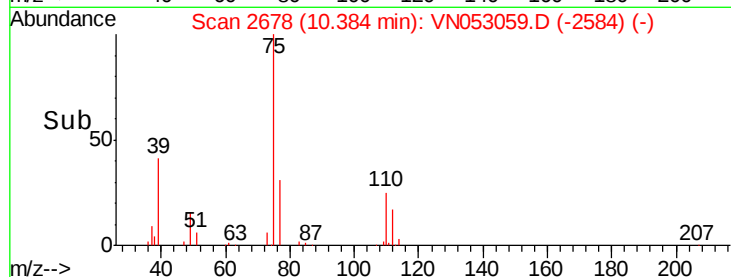


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

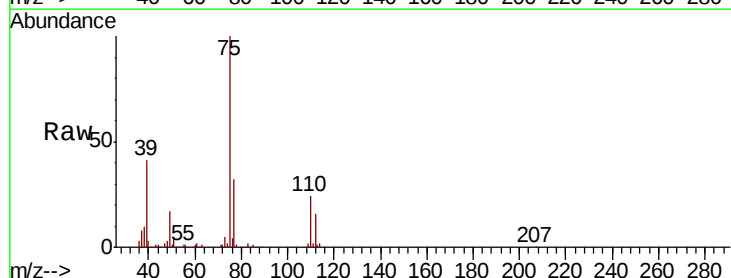
Tgt Ion: 75 Resp: 354318

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

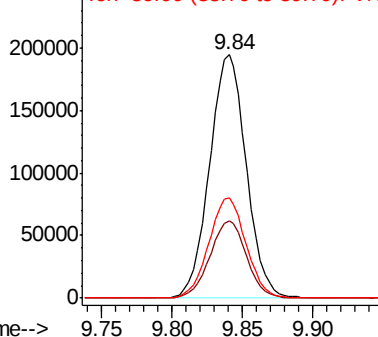
39 41.0 34.8 52.2



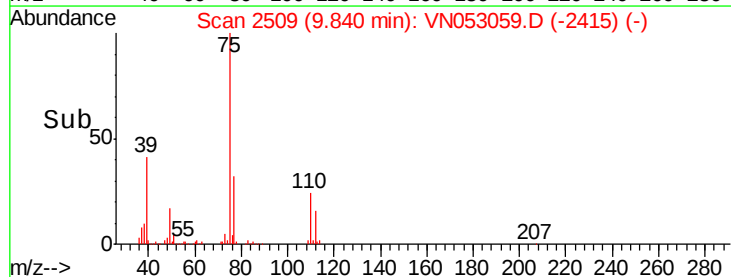
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

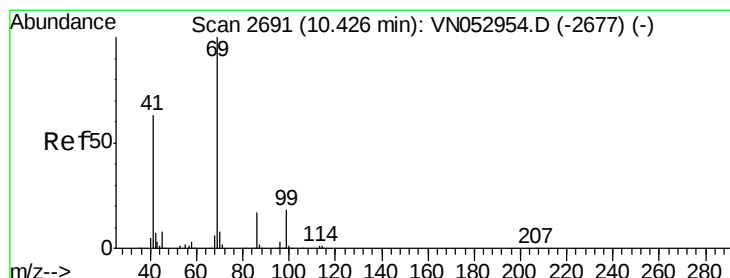
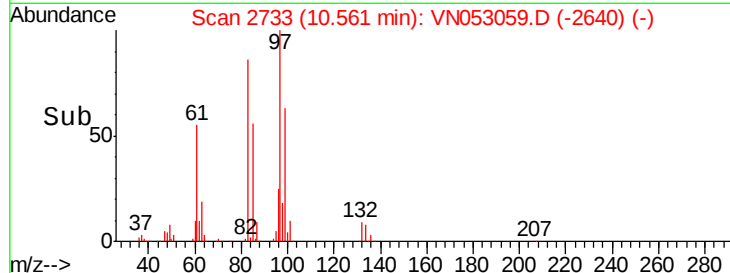
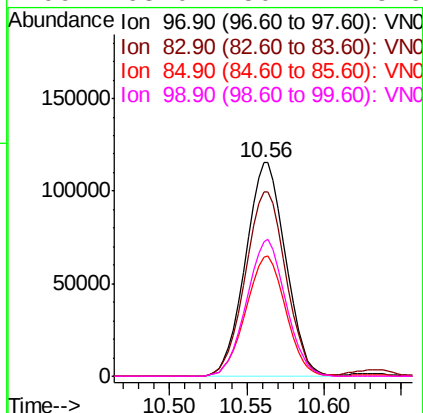
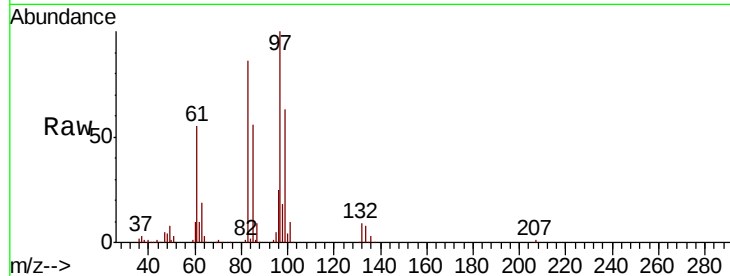




#55
 1,1,2-Trichloroethane
 Concen: 20.652 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

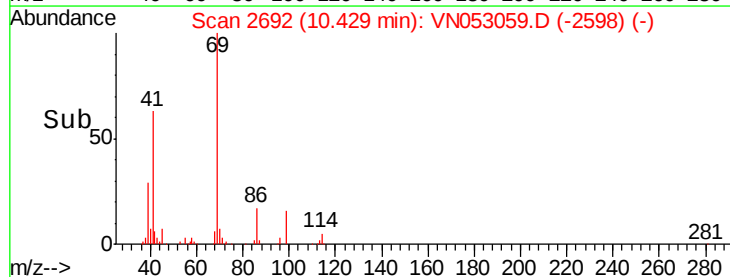
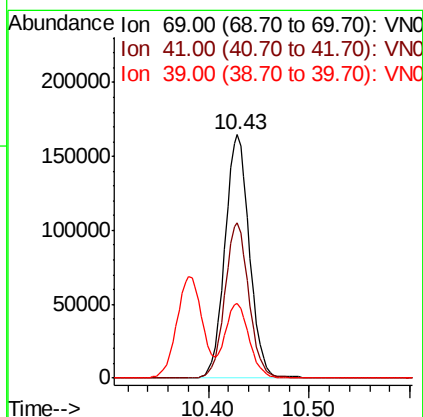
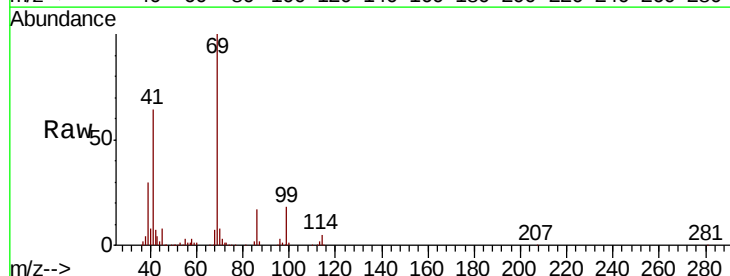
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

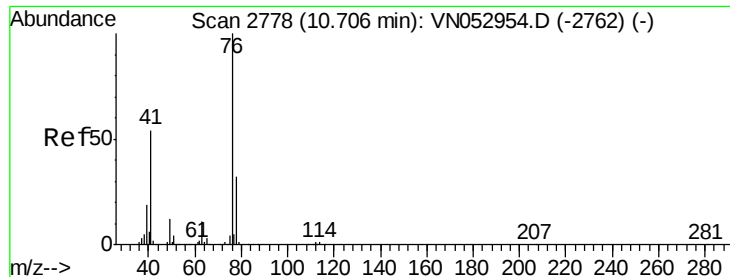
Tot Ion:	97	Resp:	208688
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.9	106.3
85	55.9	45.4	68.2
99	63.0	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 20.825 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion:	69	Resp:	278524
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.7	77.5
39	30.0	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.565 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

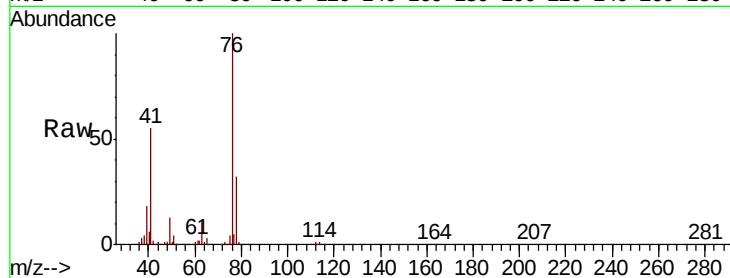
BFB

Tot Ion: 76 Resp: 356350

Ion Ratio Lower Upper

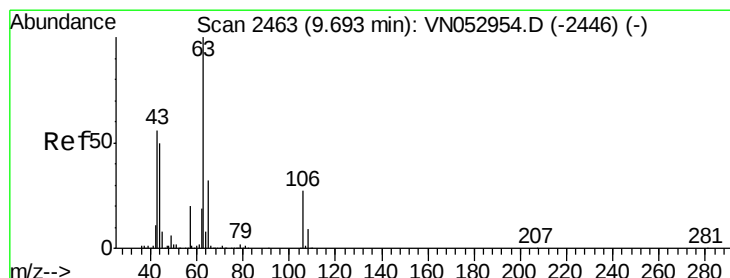
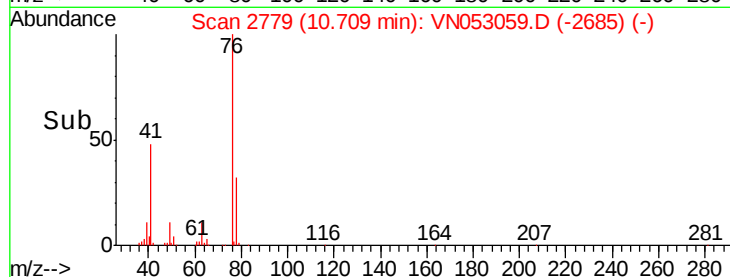
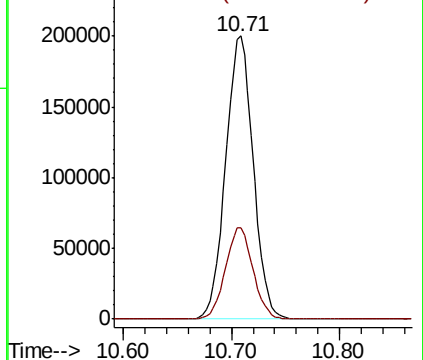
76 100

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: 104.083 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053059.D

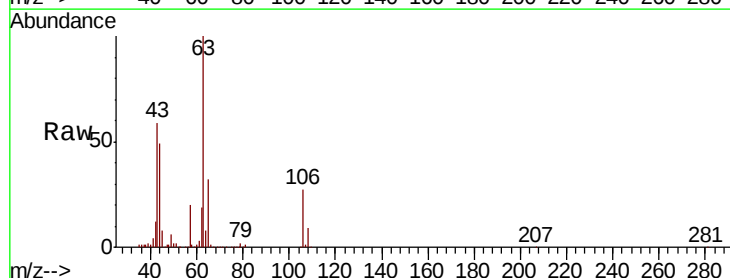
Acq: 20 Dec 2018 16:21

Tgt Ion: 63 Resp: 764251

Ion Ratio Lower Upper

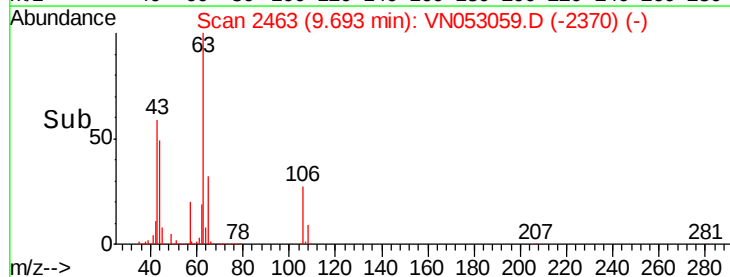
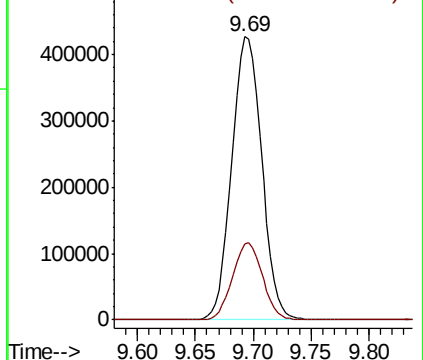
63 100

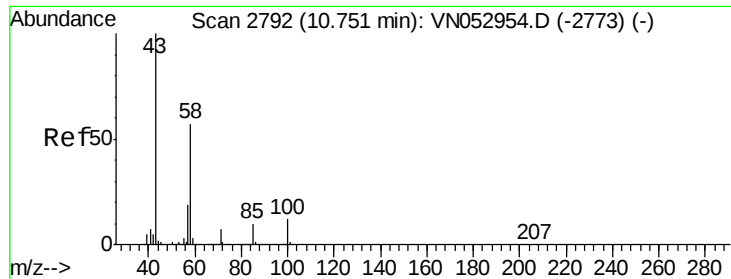
106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

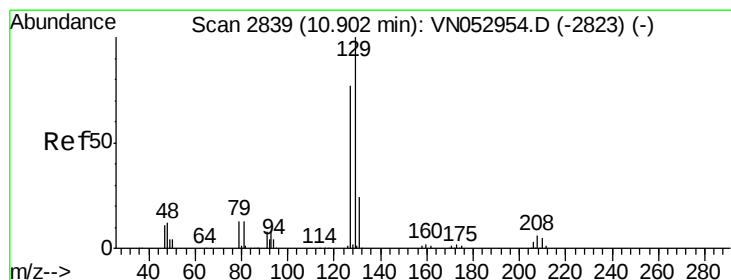
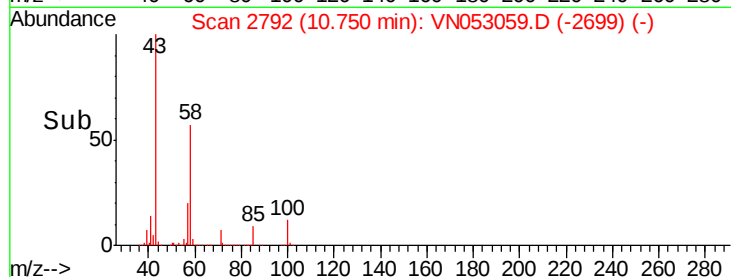
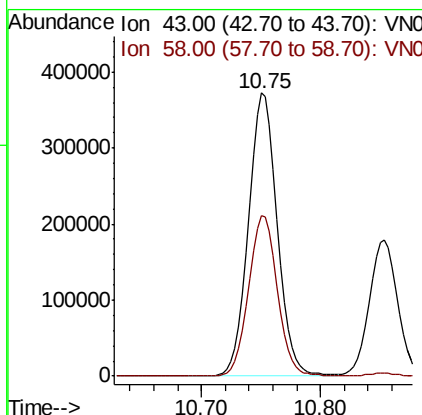
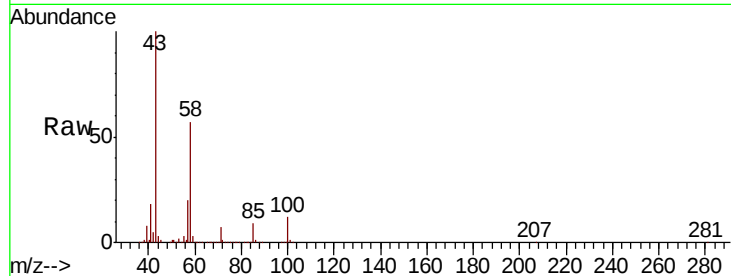




#59
2-Hexanone
Concen: 108.182 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

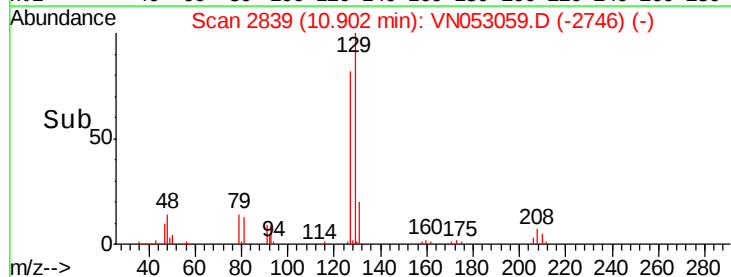
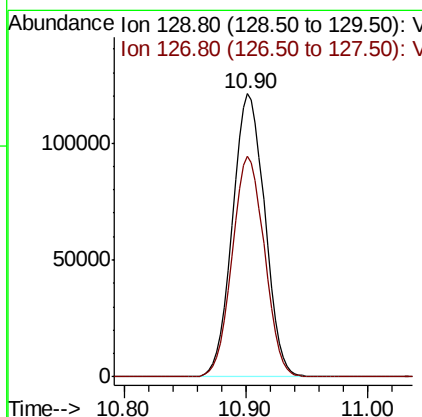
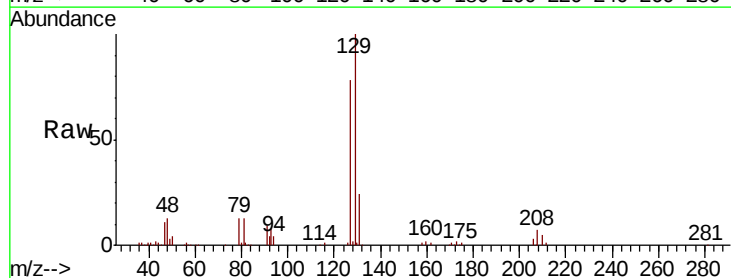
Instrument :
MSVOA_N
ClientSampled :
BFB

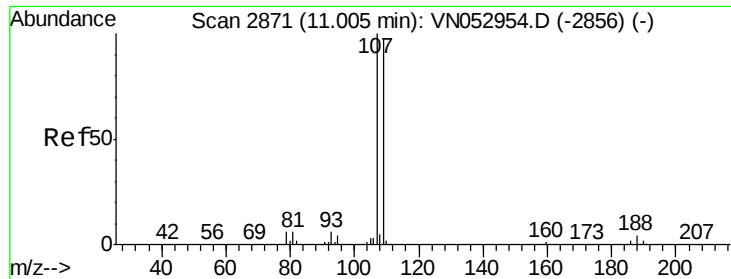
Tot Ion: 43 Resp: 621660
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 19.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 129 Resp: 222201
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.179 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

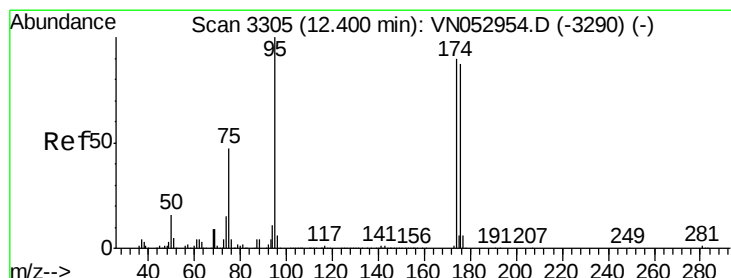
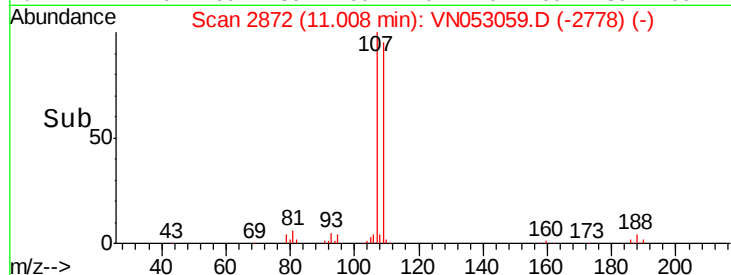
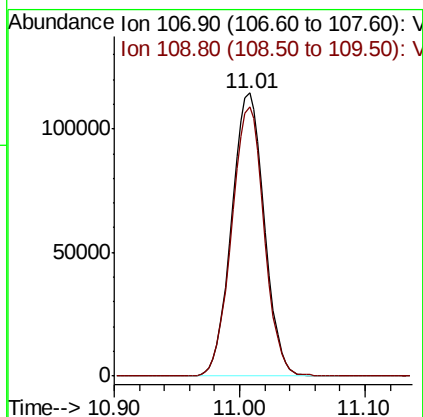
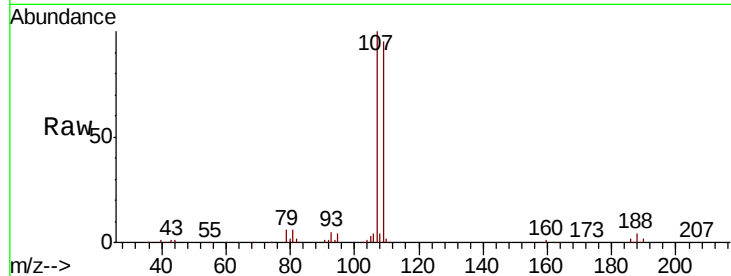
BFB

Tot Ion:107 Resp: 207093

Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 20.179 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

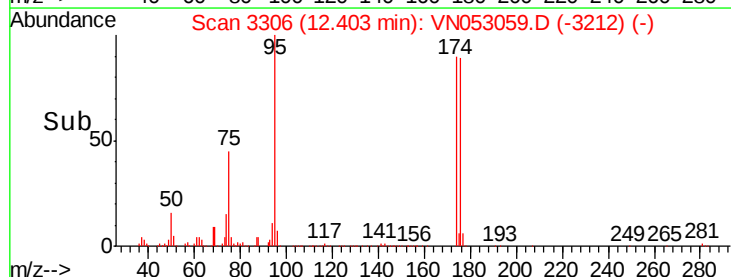
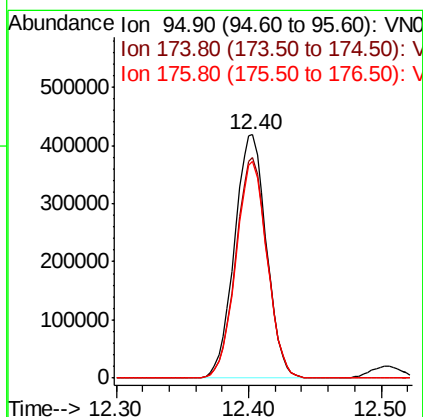
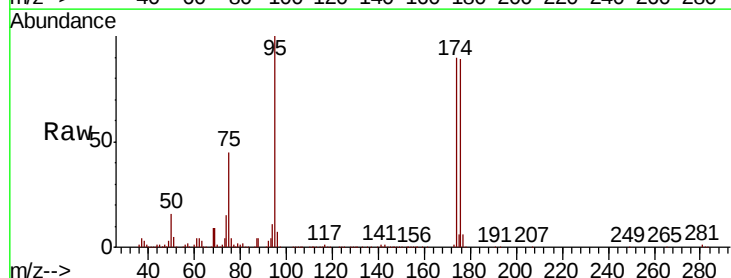
Tgt Ion: 95 Resp: 699371

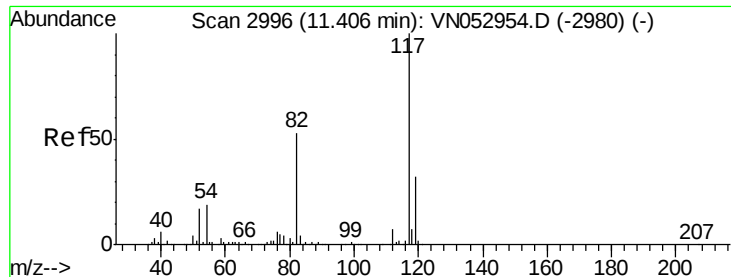
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 87.1 0.0 173.8

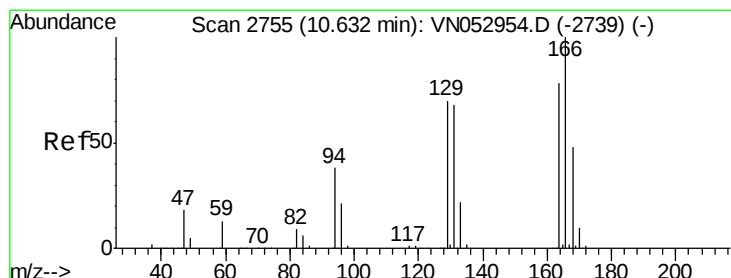
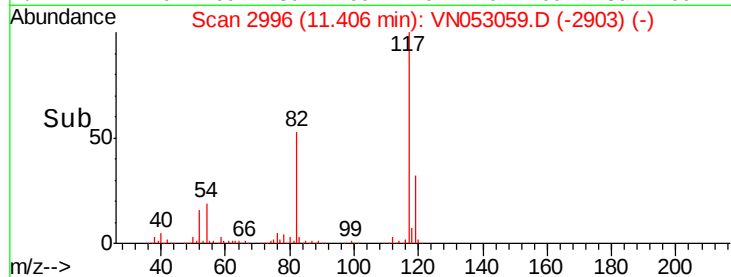
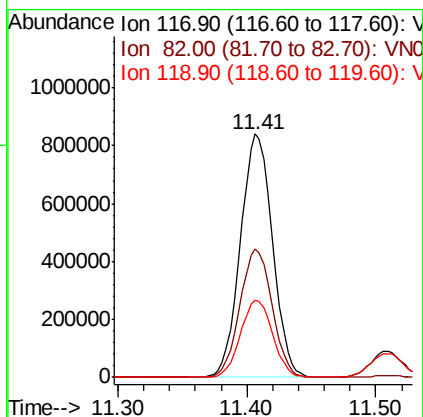
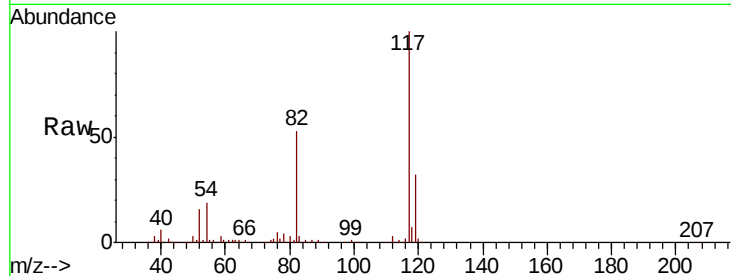




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

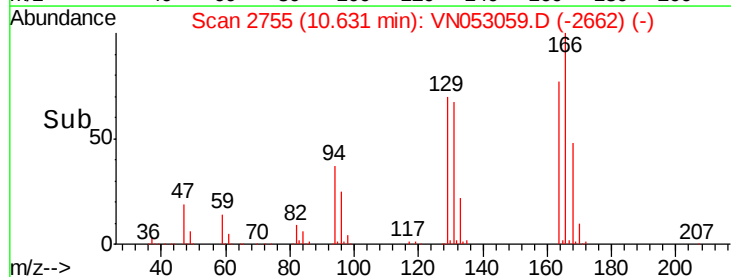
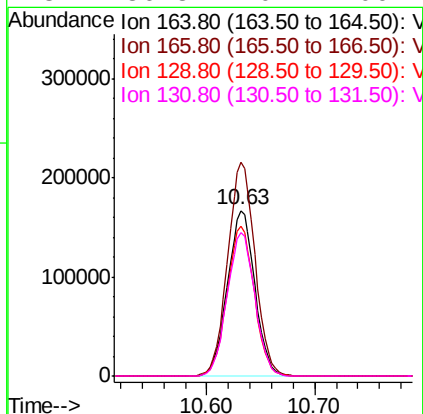
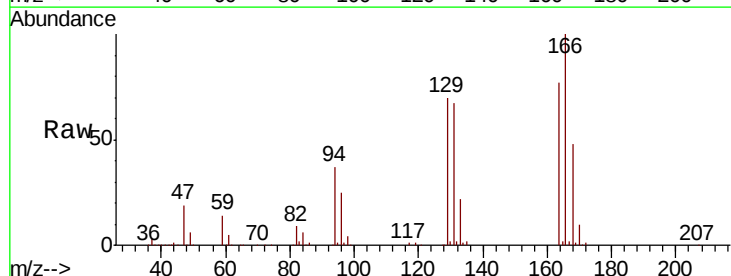
Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:117 Resp: 1453187
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 18.726 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion:164 Resp: 294765
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 90.6 73.7 110.5
131 86.8 70.7 106.1





#65

Chlorobenzene

Concen: 20.010 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

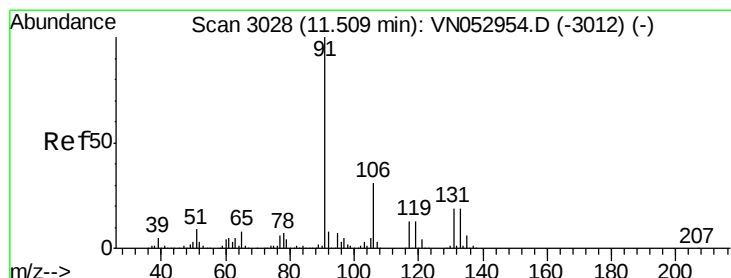
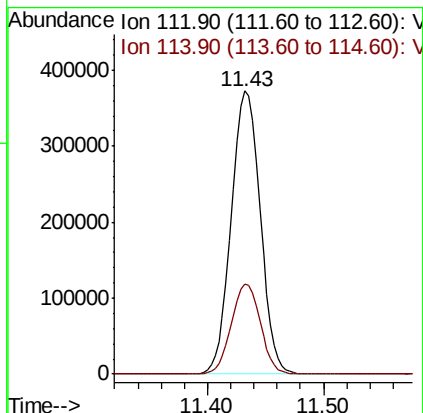
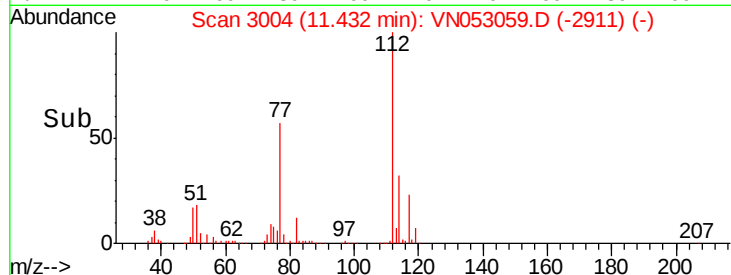
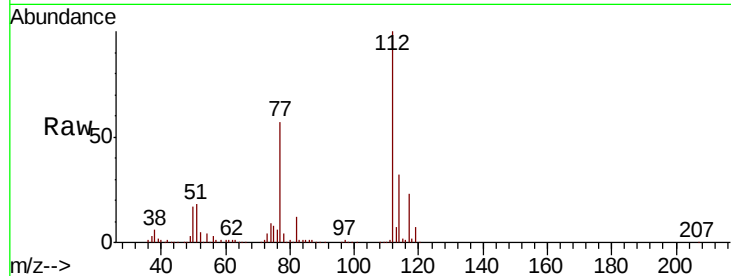
BFB

Tot Ion:112 Resp: 644576

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.837 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

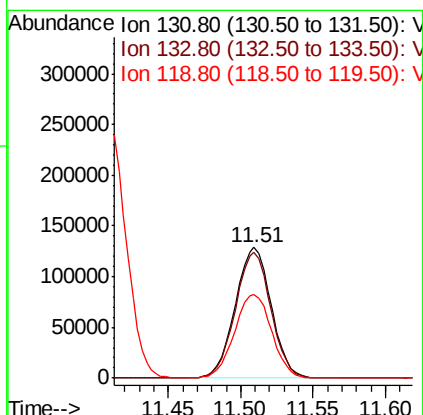
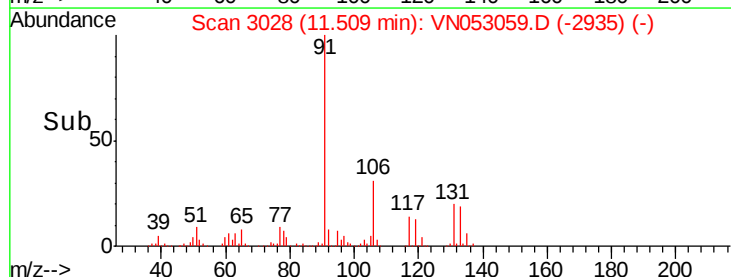
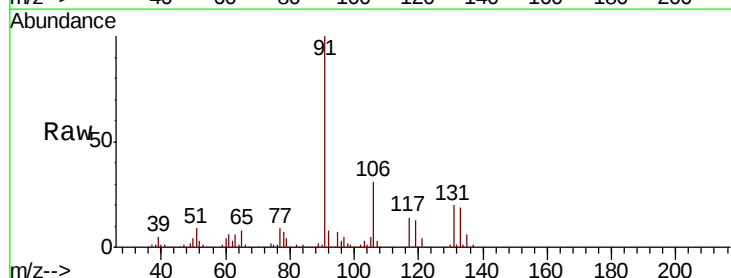
Tgt Ion:131 Resp: 222214

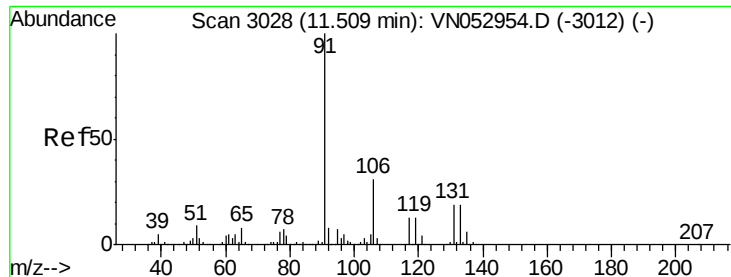
Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.9

119 66.1 33.3 99.8

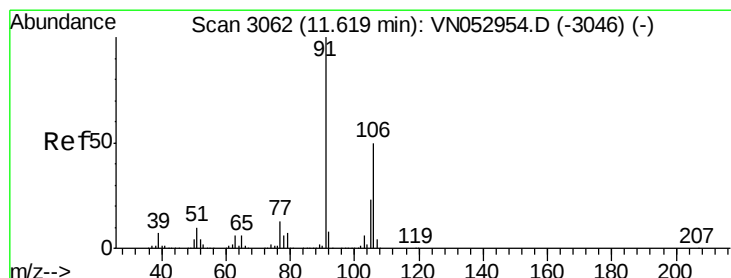
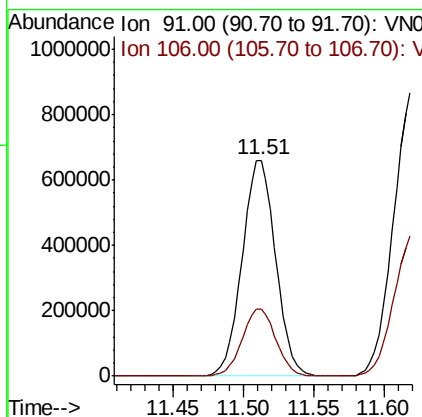
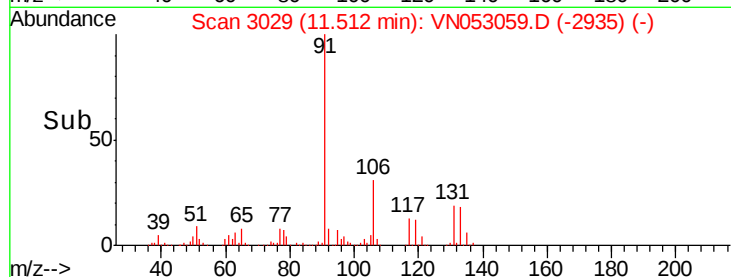
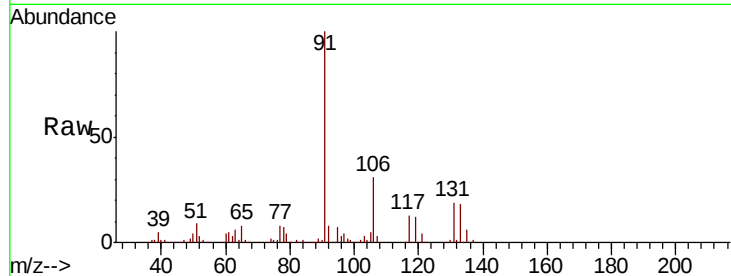




#67
Ethvl Benzene
Concen: 19.773 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

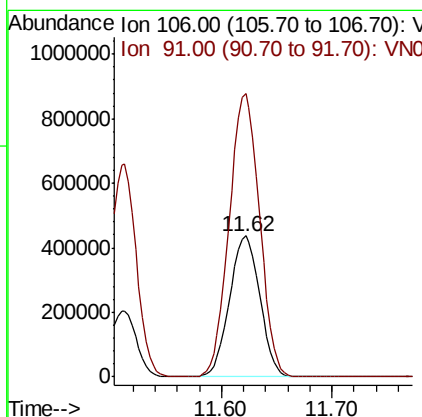
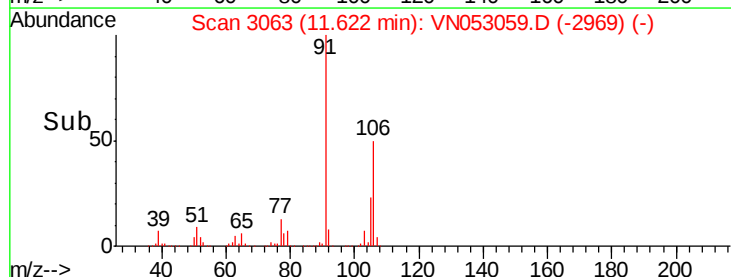
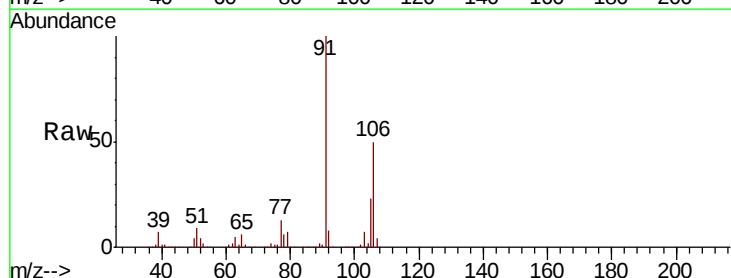
Instrument :
MSVOA_N
ClientSampled :
BFB

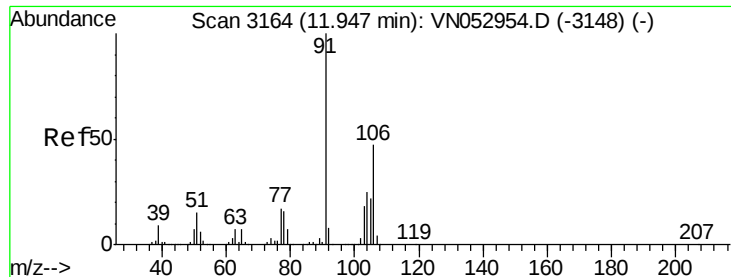
Tot Ion: 91 Resp: 1095402
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 39.502 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 106 Resp: 831909
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.4

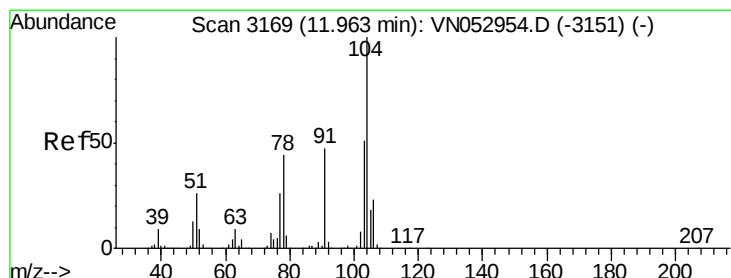
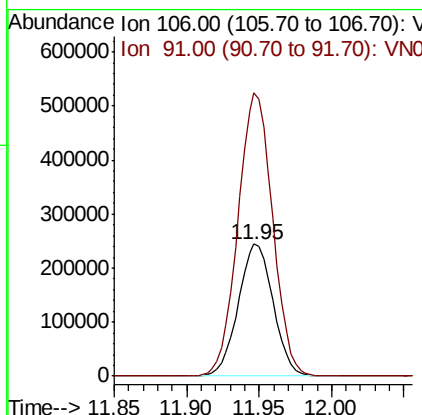
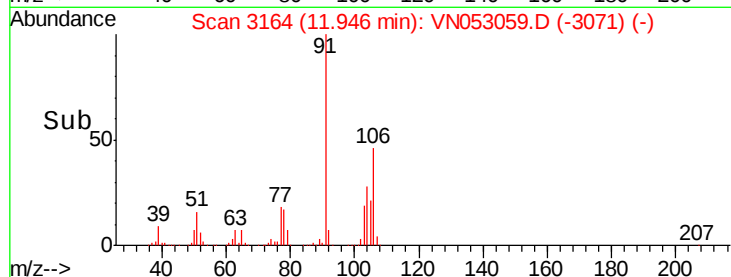
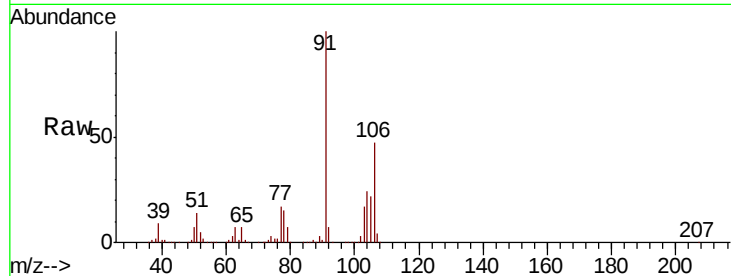




#69
o-Xylene
Concen: 20.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

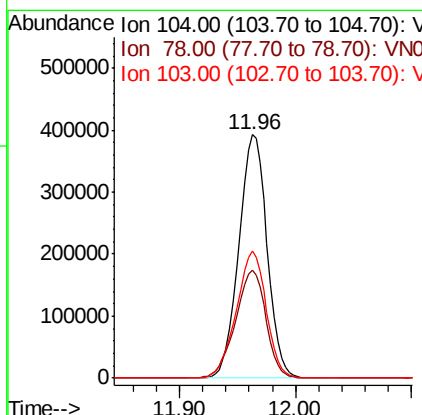
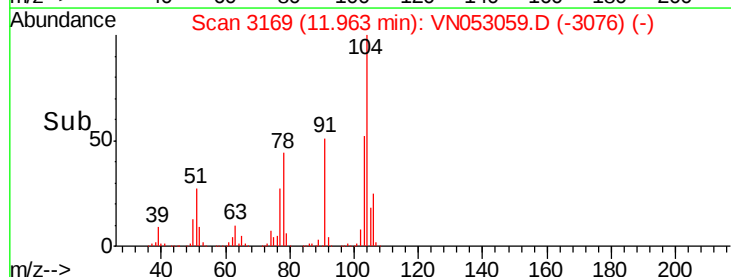
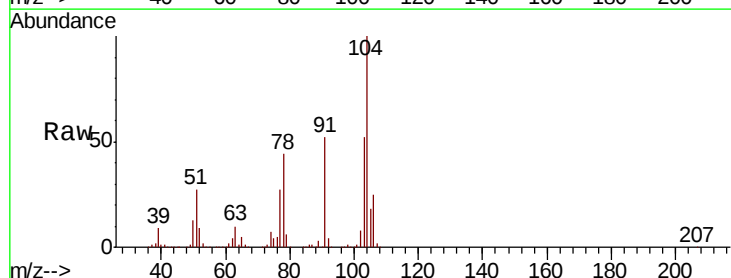
Instrument :
MSVOA_N
ClientSampled :
BFB

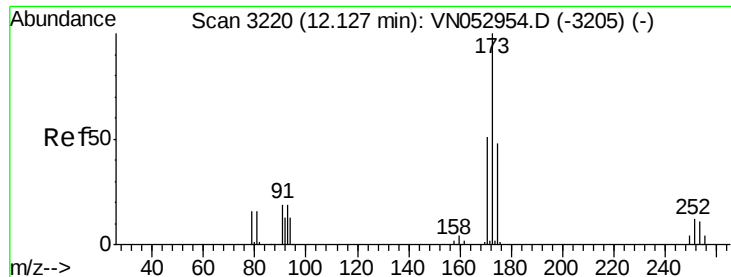
Tot Ion:106 Resp: 407694
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8



#70
Styrene
Concen: 20.071 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion:104 Resp: 661394
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.5 44.3 66.5





#71

Bromoform

Concen: 18.353 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

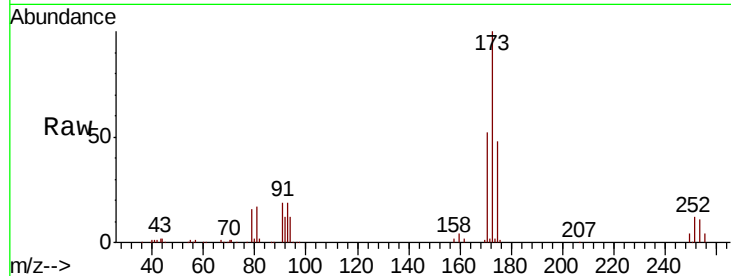
Tot Ion:173 Resp: 148523

Ion Ratio Lower Upper

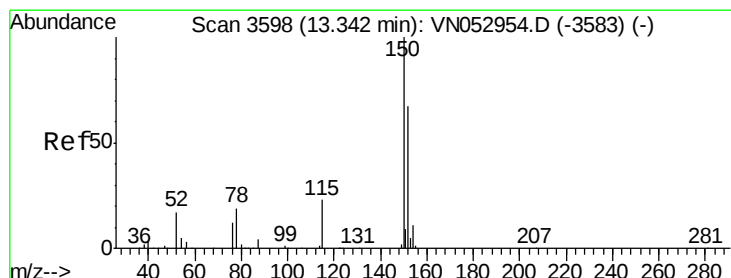
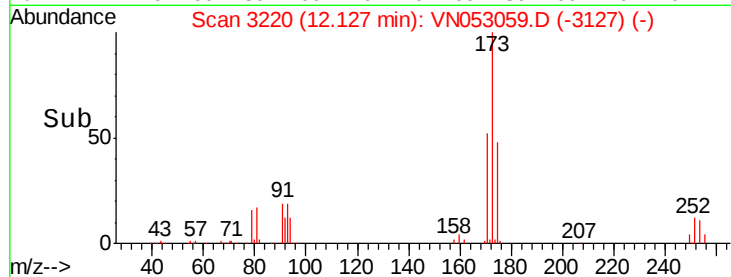
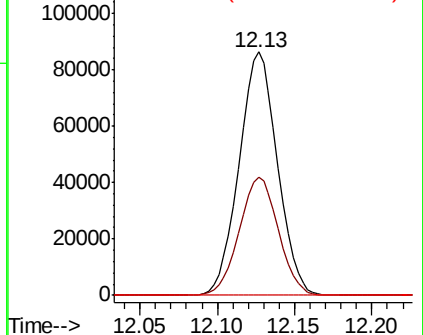
173 100

175 49.4 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

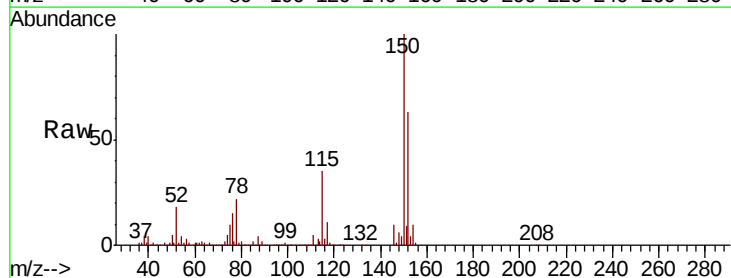
Tgt Ion:152 Resp: 647460

Ion Ratio Lower Upper

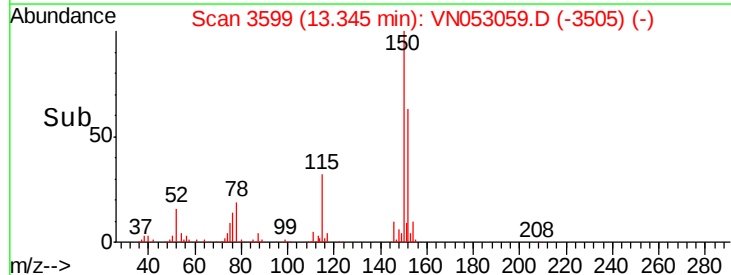
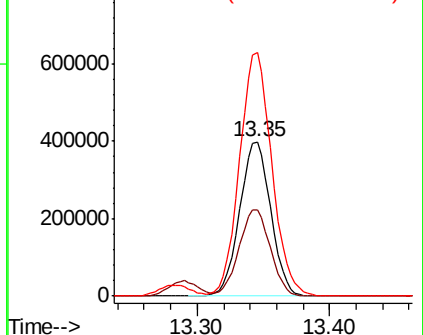
152 100

115 56.2 28.3 85.0

150 164.5 0.0 347.8



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





#73

Isopropylbenzene

Concen: 21.256 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

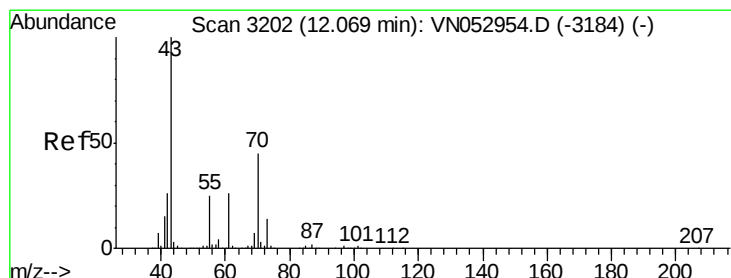
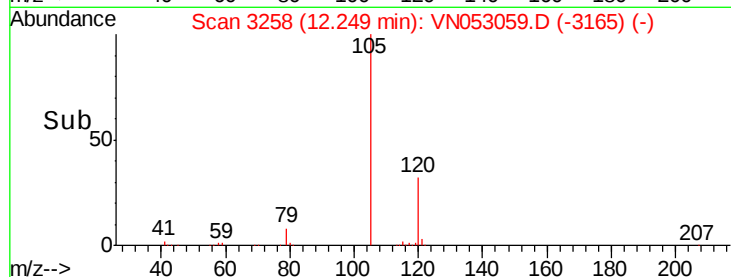
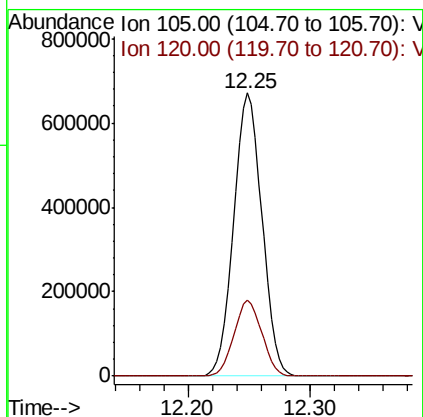
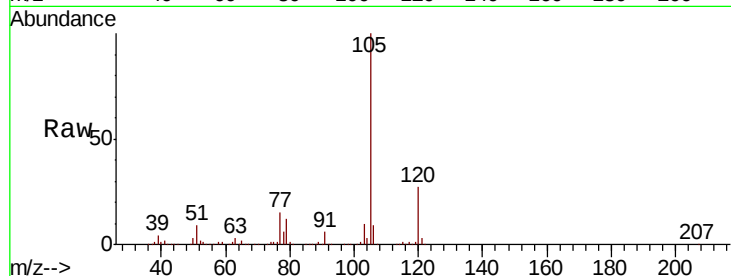
BFB

Tot Ion:105 Resp: 1076778

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 21.762 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion: 43 Resp: 306067

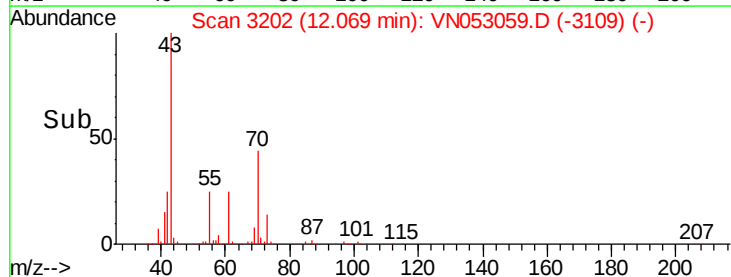
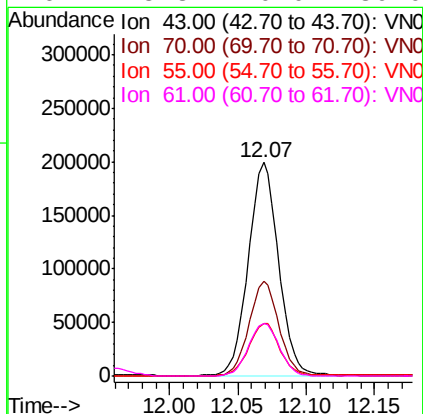
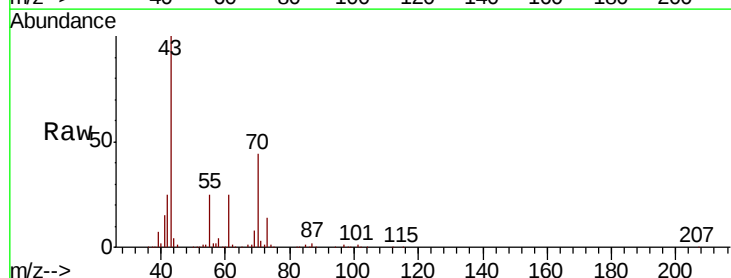
Ion Ratio Lower Upper

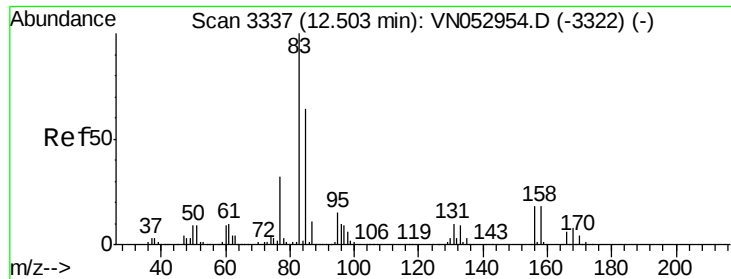
43 100

70 44.2 34.2 51.4

55 25.6 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.295 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

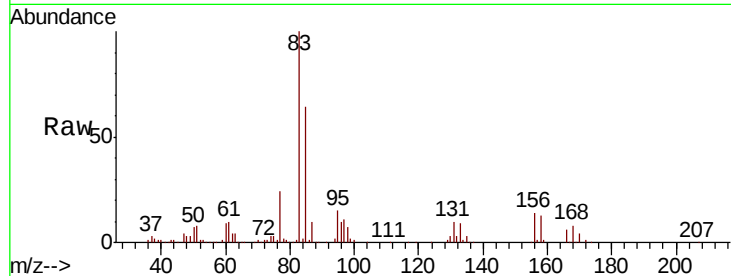
Tot Ion: 83 Resp: 231511

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

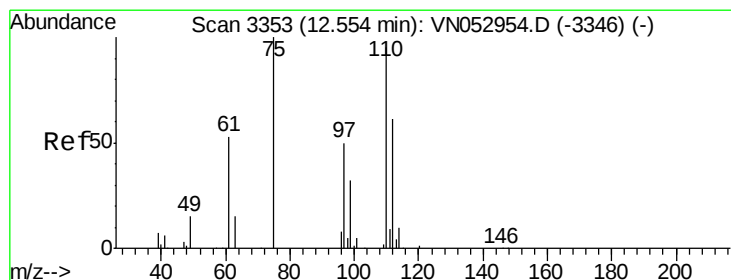
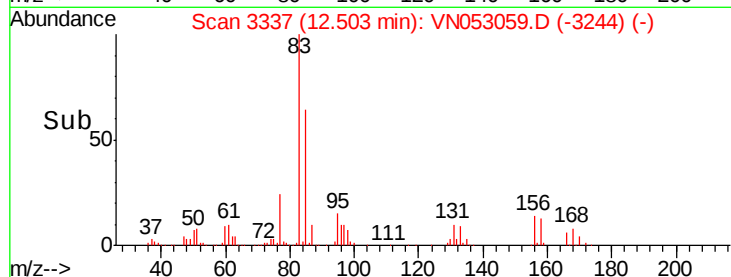
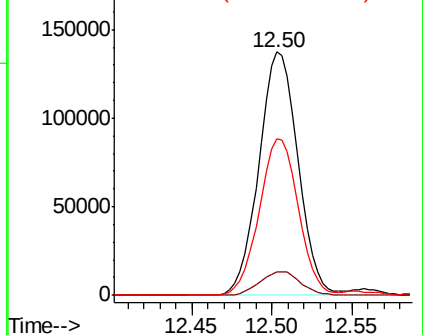
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053059.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053059.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053059.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 28.307 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053059.D

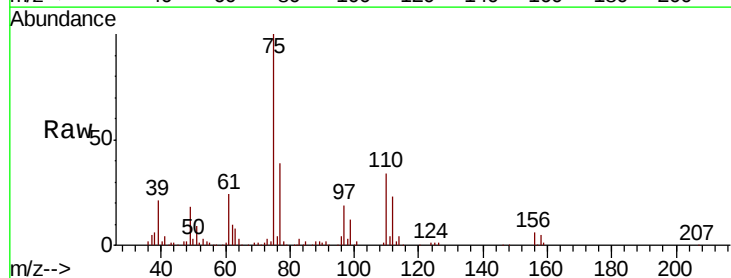
Acq: 20 Dec 2018 16:21

Tgt Ion: 75 Resp: 308531

Ion Ratio Lower Upper

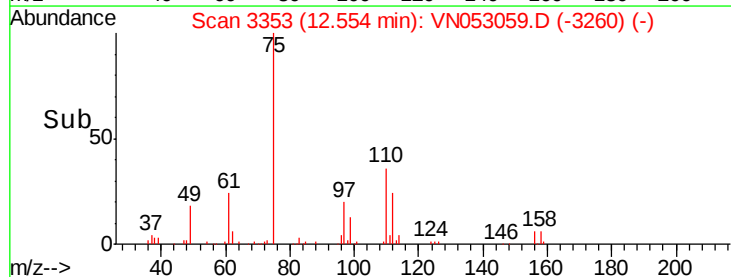
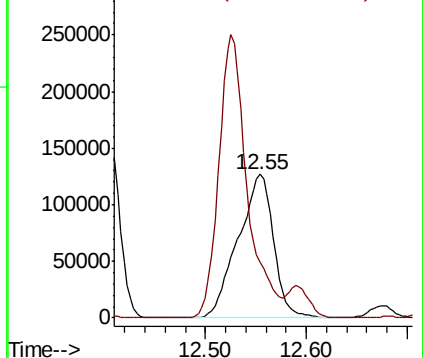
75 100

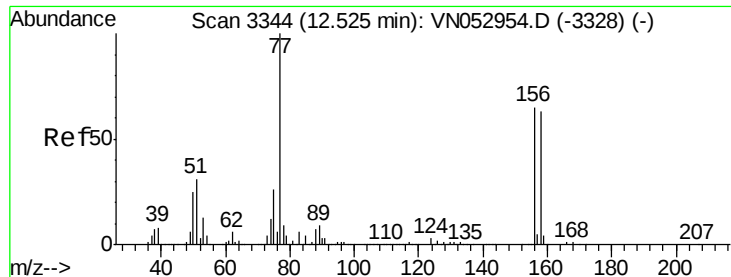
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053059.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053059.D (-3260) (-)





#77

Bromobenzene

Concen: 20.948 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

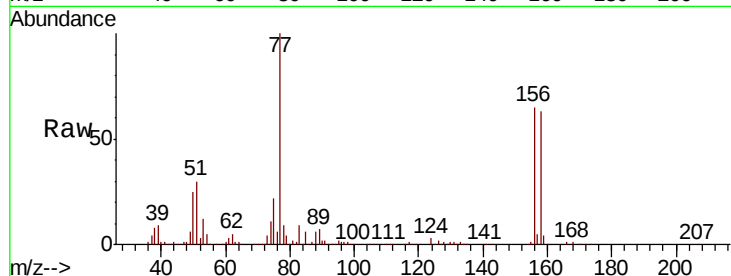
Tot Ion:156 Resp: 275849

Ion Ratio Lower Upper

156 100

77 178.3 91.3 273.8

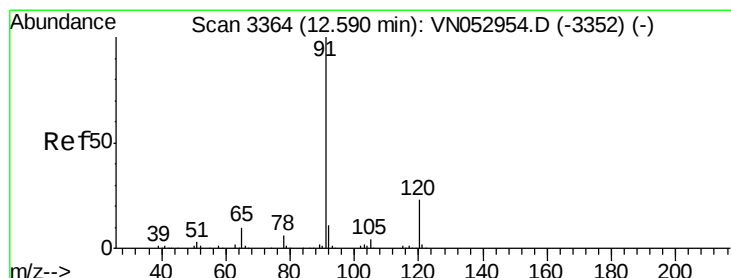
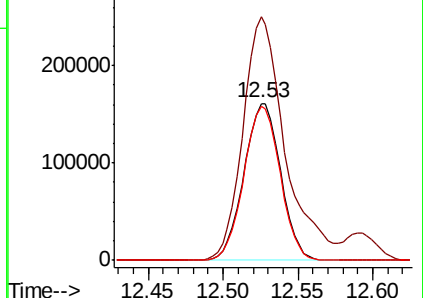
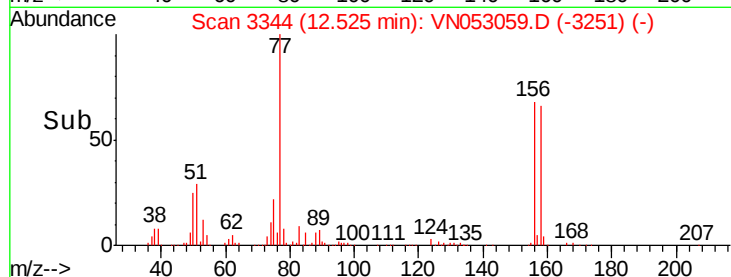
158 97.0 49.0 147.2



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: 20.662 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053059.D

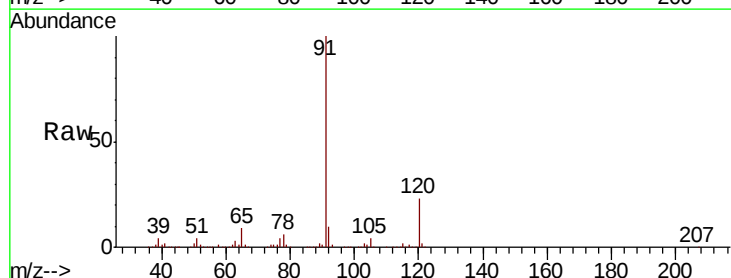
Acq: 20 Dec 2018 16:21

Tgt Ion: 91 Resp: 1192113

Ion Ratio Lower Upper

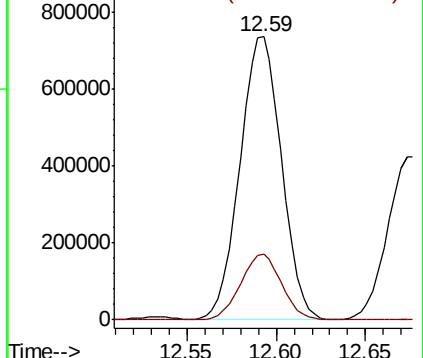
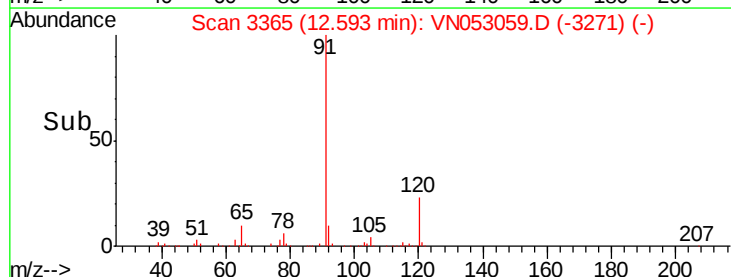
91 100

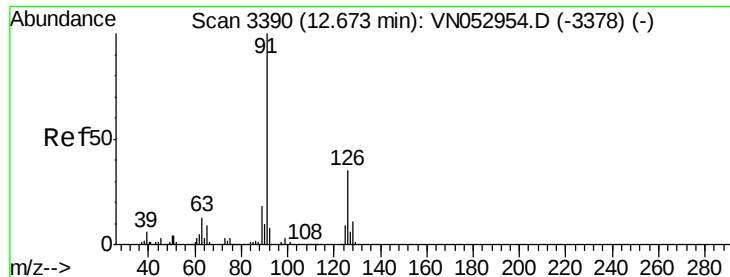
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.003 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

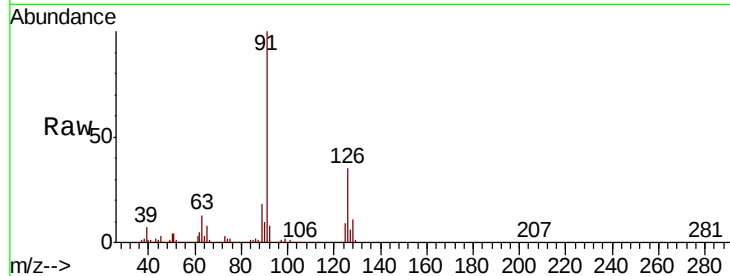
BFB

Tot Ion: 91 Resp: 715339

Ion Ratio Lower Upper

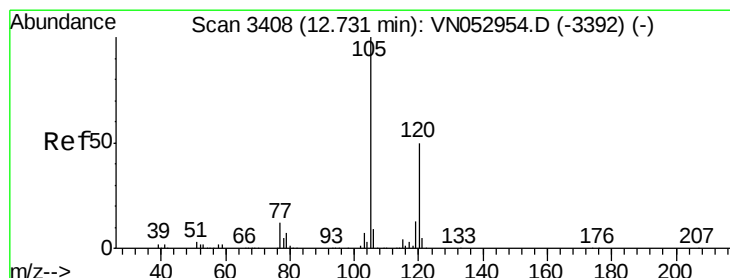
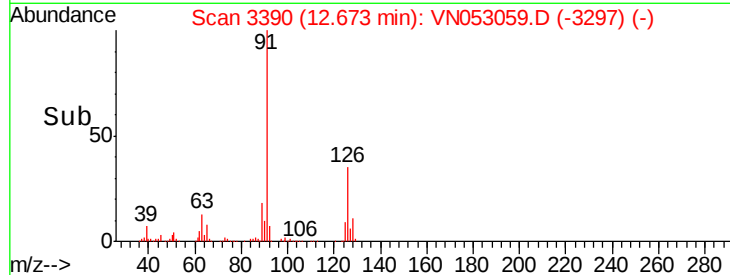
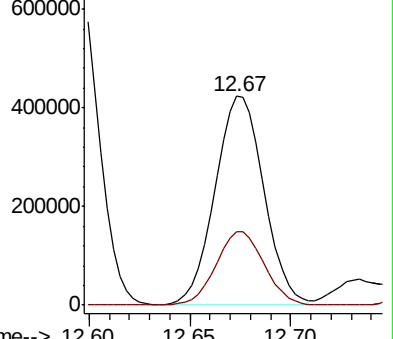
91 100

126 34.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.574 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053059.D

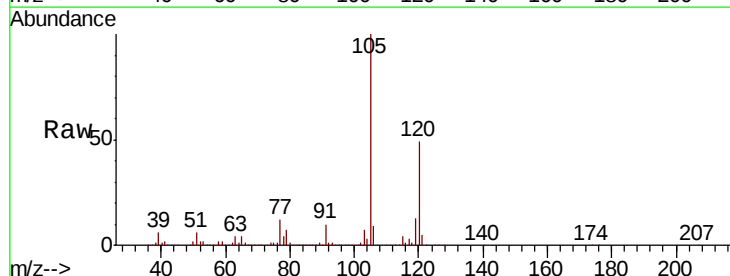
Acq: 20 Dec 2018 16:21

Tgt Ion:105 Resp: 849523

Ion Ratio Lower Upper

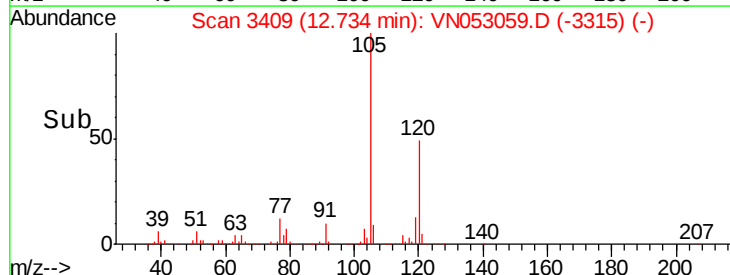
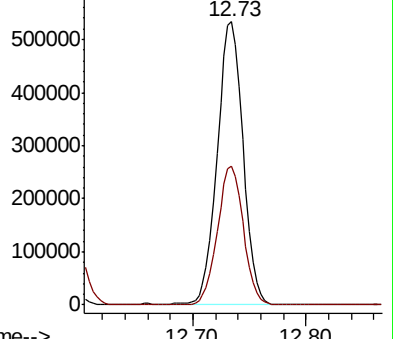
105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.752 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

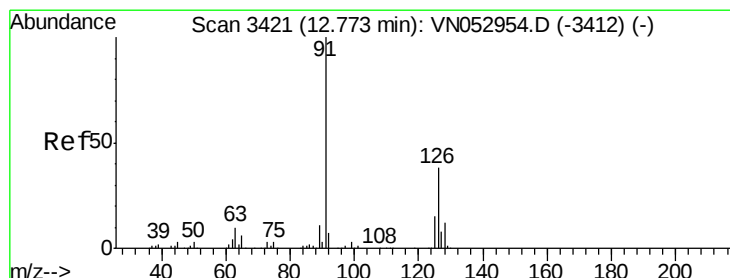
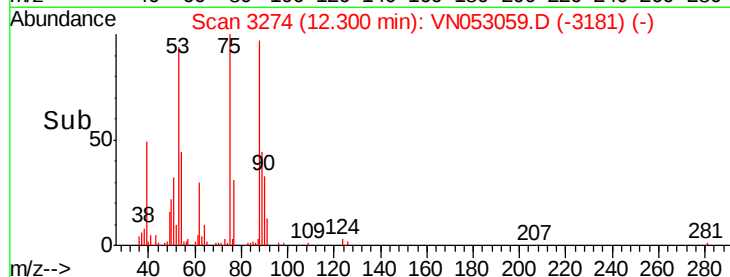
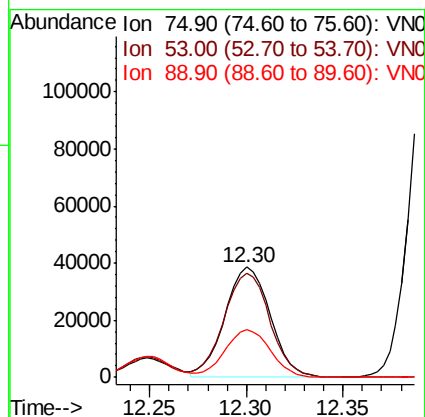
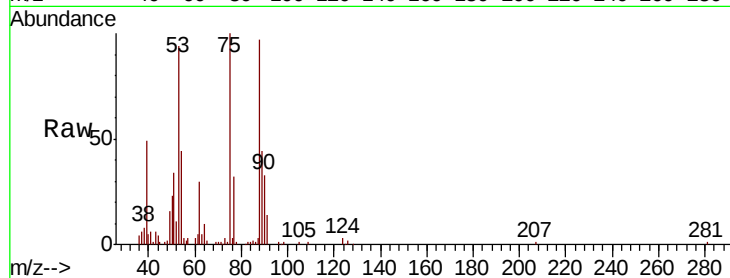
Tot Ion: 75 Resp: 63413

Ion Ratio Lower Upper

75 100

53 96.5 74.7 112.1

89 43.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.575 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053059.D

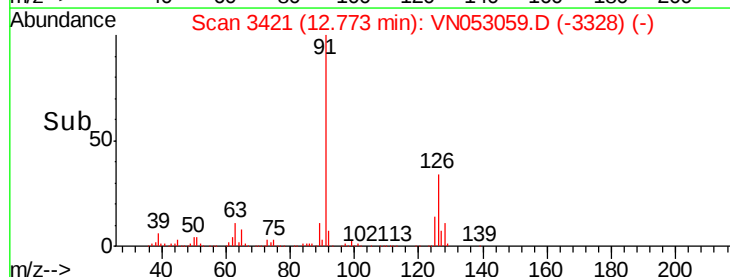
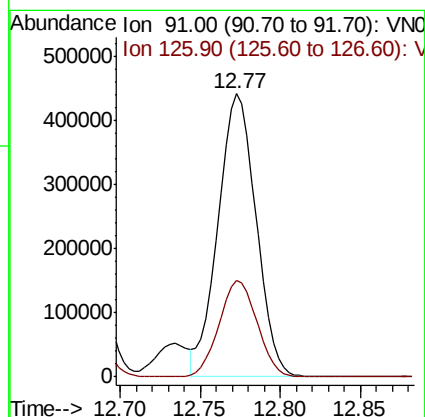
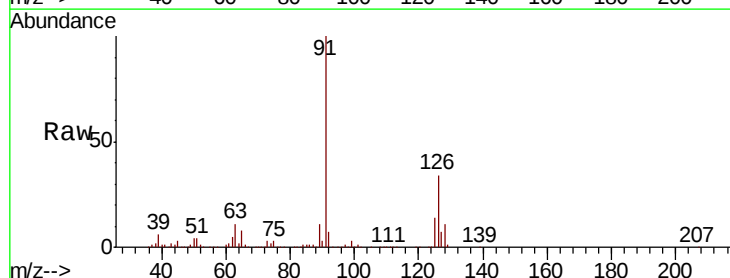
Acq: 20 Dec 2018 16:21

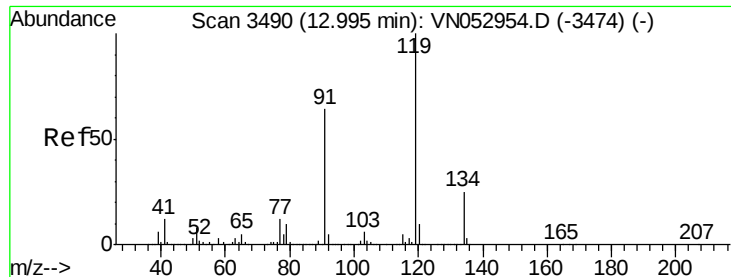
Tgt Ion: 91 Resp: 720284

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

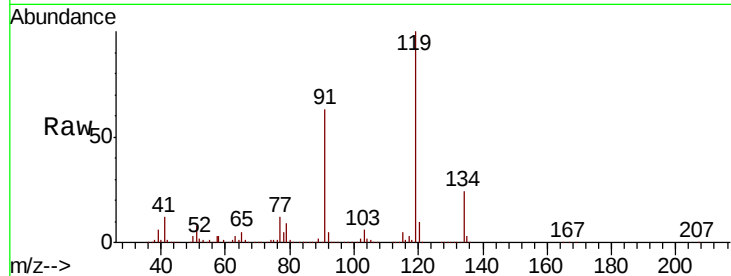




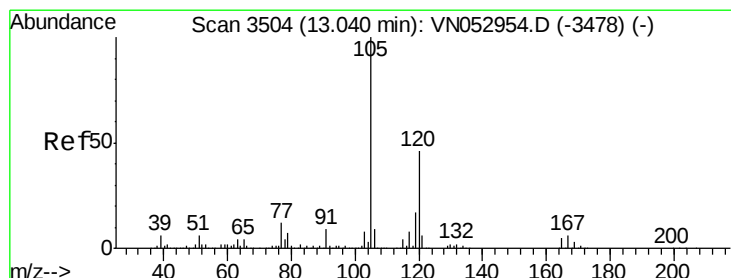
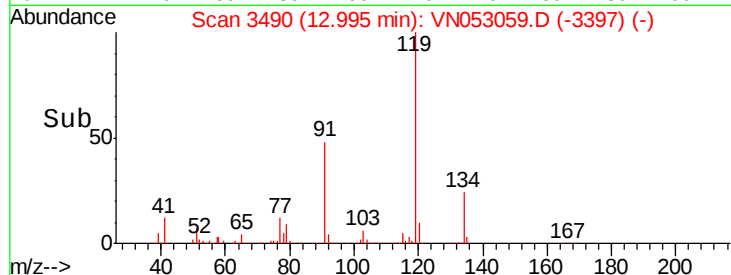
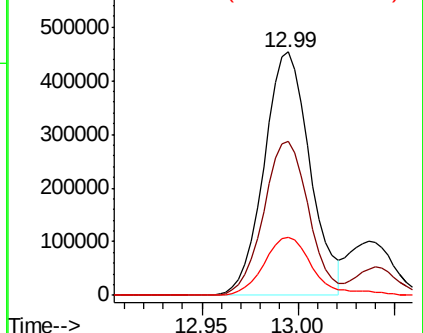
#83
tert-Butylbenzene
Concen: 20.467 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	25.6	12.8	38.4

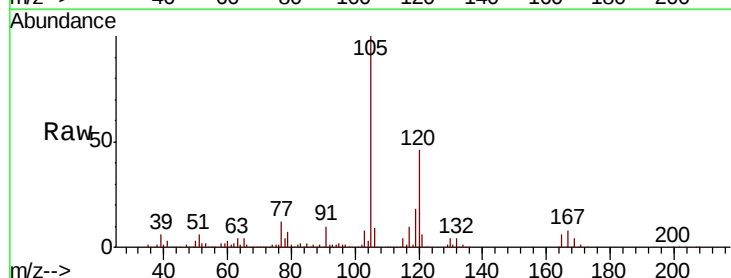


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

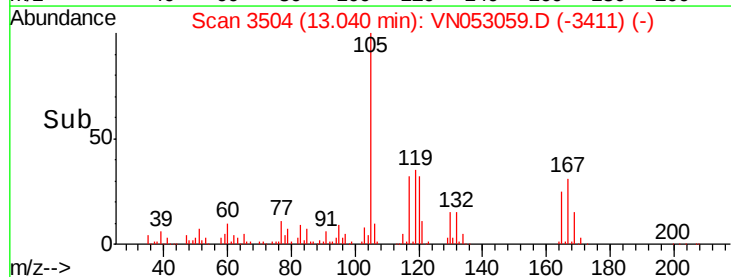
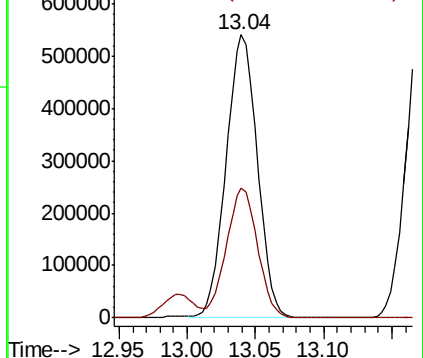


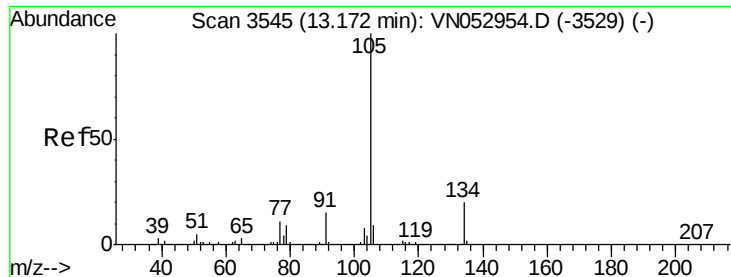
#84
1,2,4-Trimethylbenzene
Concen: 20.730 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.772 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

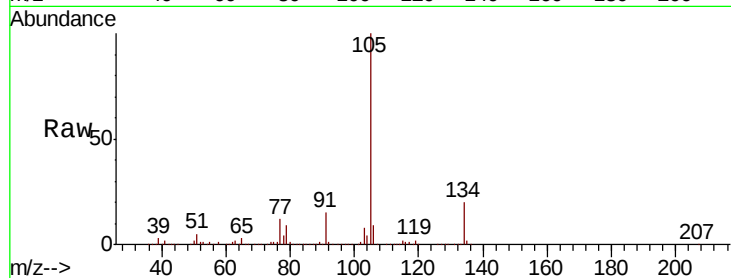
BFB

Tot Ion:105 Resp: 976598

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

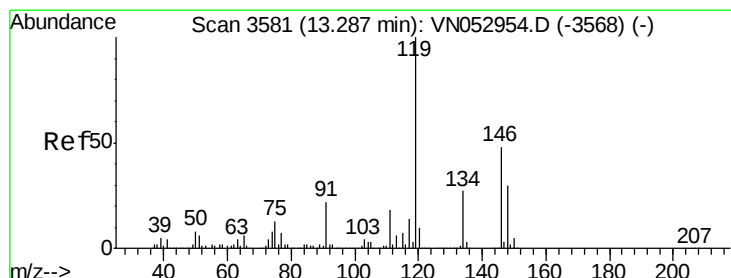
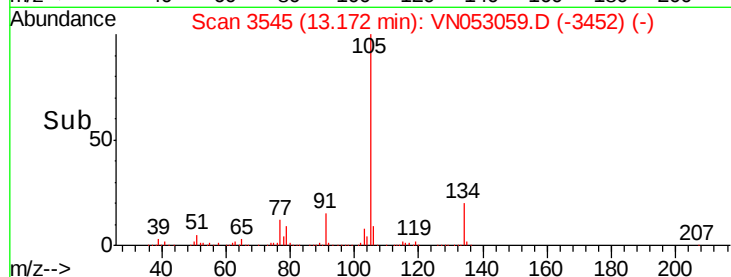
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.476 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

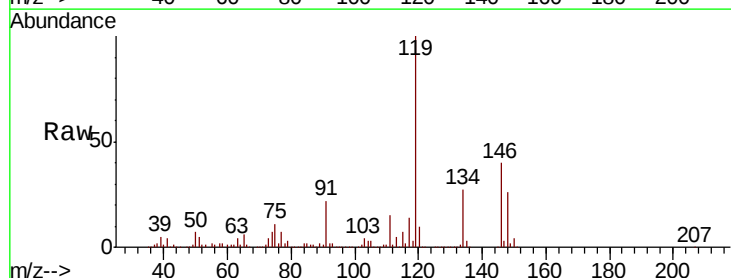
Tgt Ion:119 Resp: 831245

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.9 11.1 33.3



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

13.29

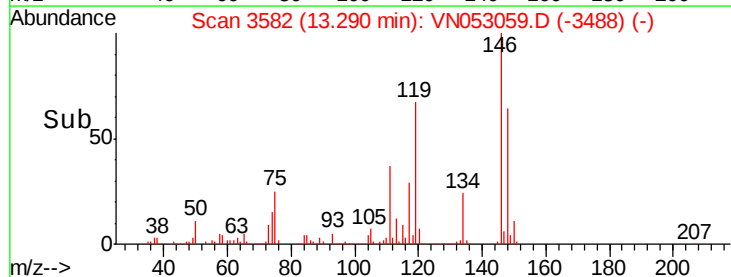
600000

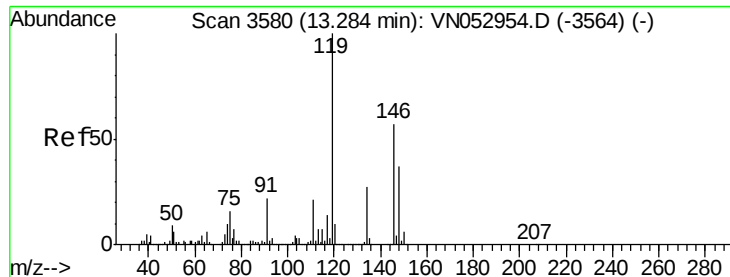
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.824 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

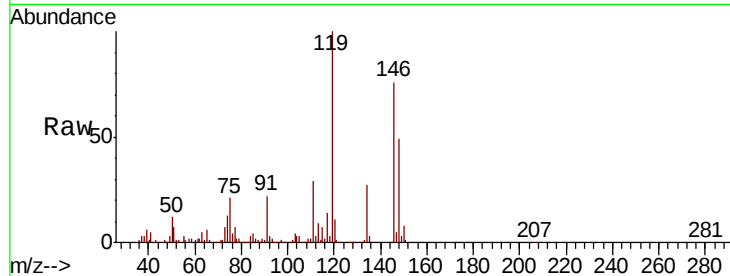
Tot Ion:146 Resp: 462022

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

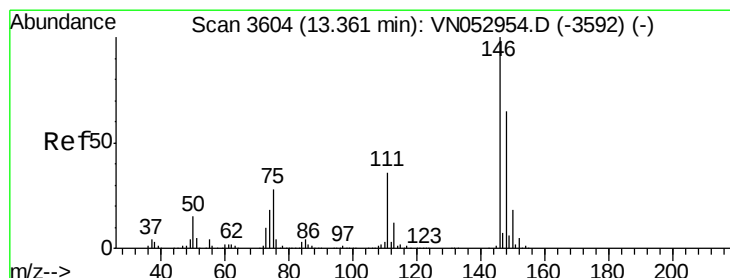
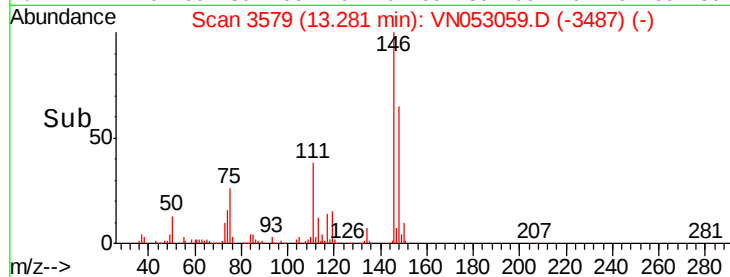
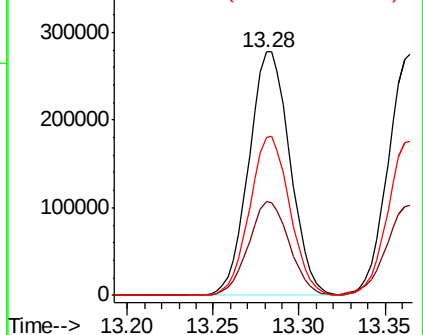
148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.102 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

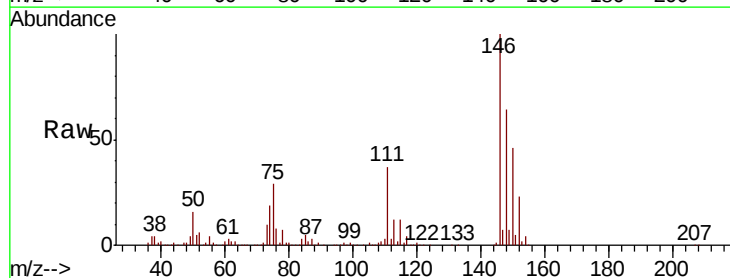
Tgt Ion:146 Resp: 450853

Ion Ratio Lower Upper

146 100

111 38.7 18.6 55.8

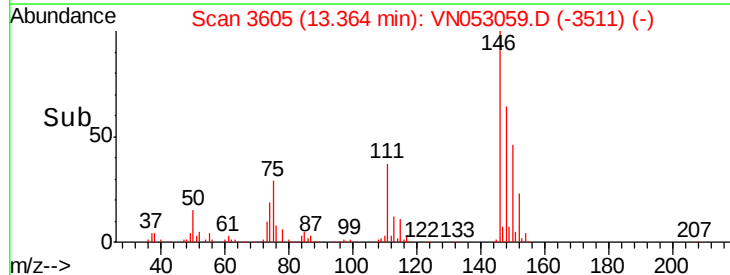
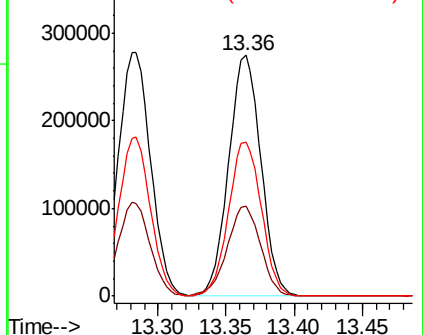
148 65.0 32.1 96.5

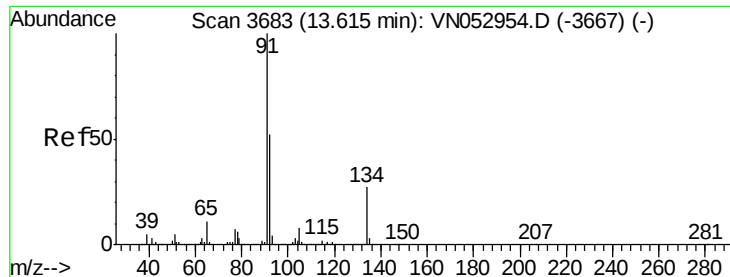


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.530 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

BFB

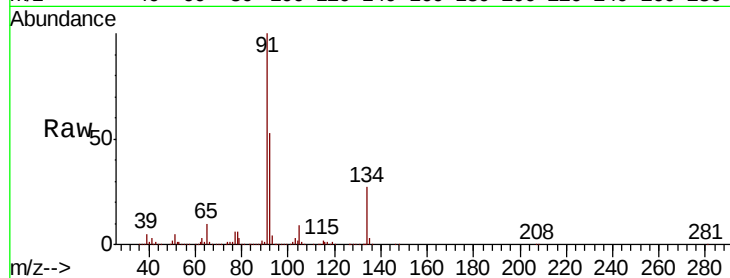
Tot Ion: 91 Resp: 643664

Ion Ratio Lower Upper

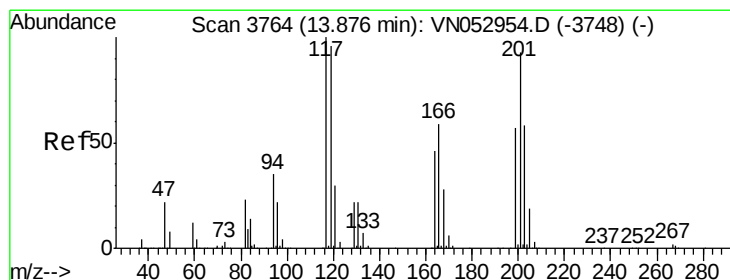
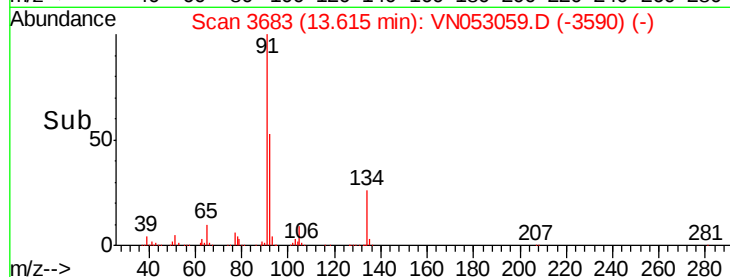
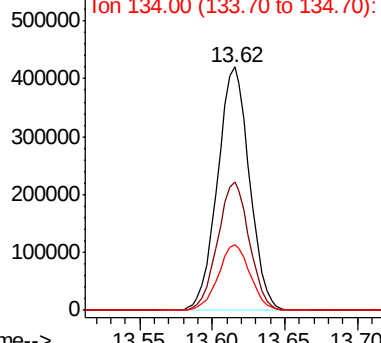
91 100

92 52.5 26.3 78.9

134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.493 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053059.D

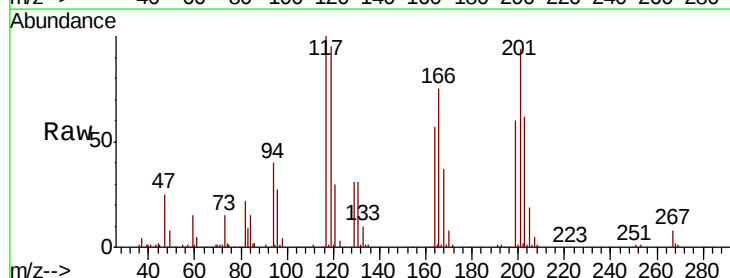
Acq: 20 Dec 2018 16:21

Tgt Ion: 117 Resp: 121125

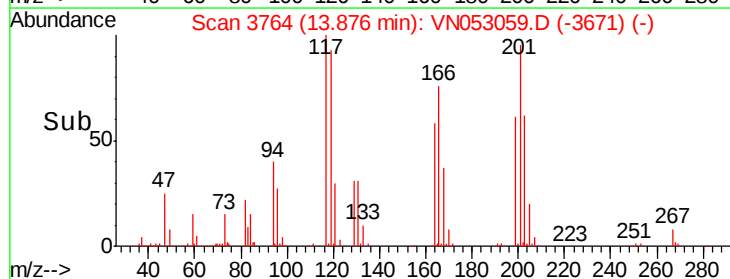
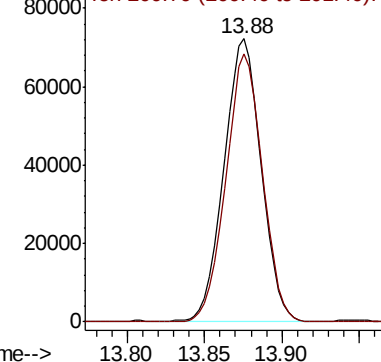
Ion Ratio Lower Upper

117 100

201 93.0 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.966 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

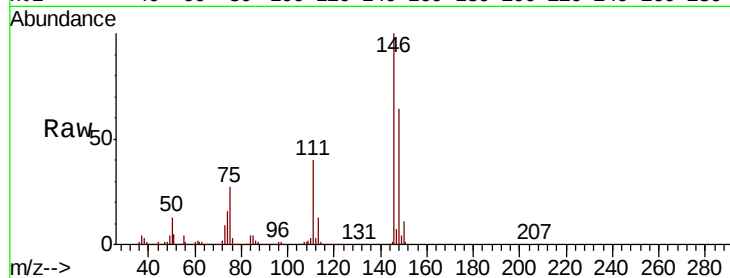
Tot Ion:146 Resp: 437955

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

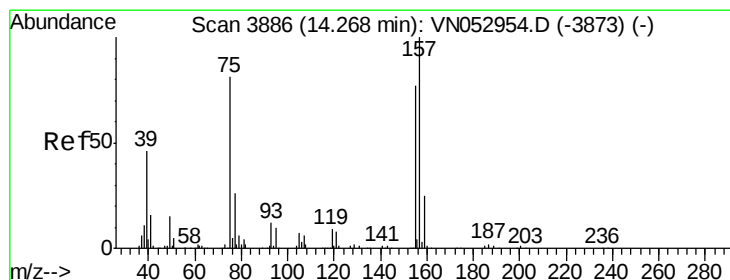
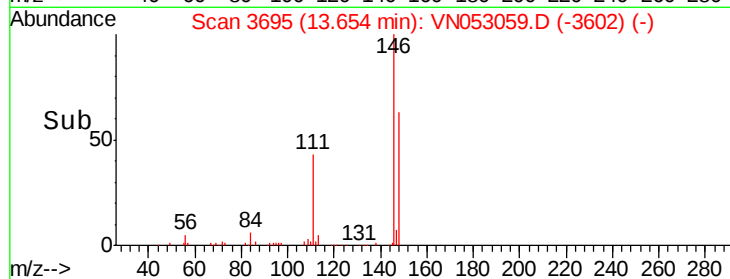
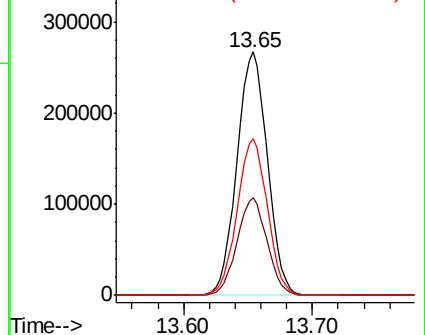
148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.245 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

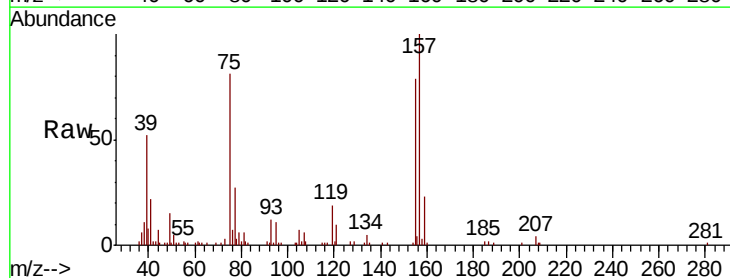
Tgt Ion: 75 Resp: 33070

Ion Ratio Lower Upper

75 100

155 97.3 48.2 144.6

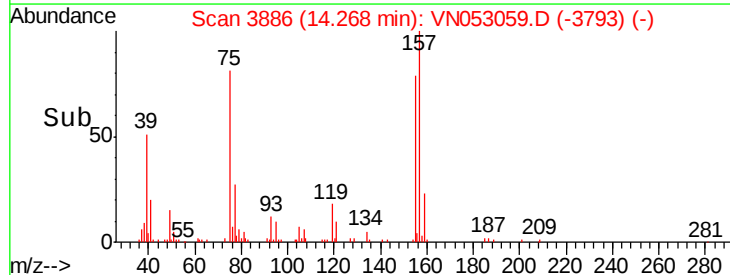
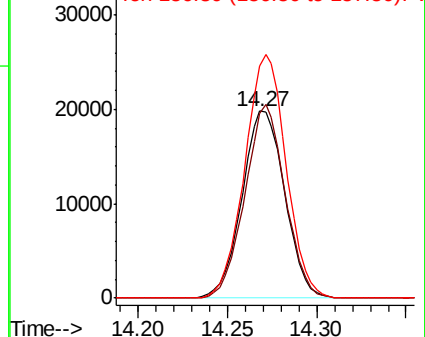
157 126.1 61.2 183.5

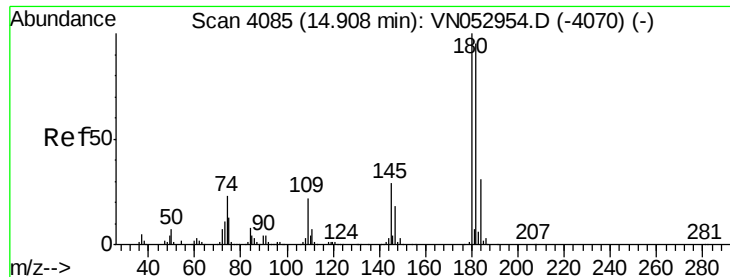


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

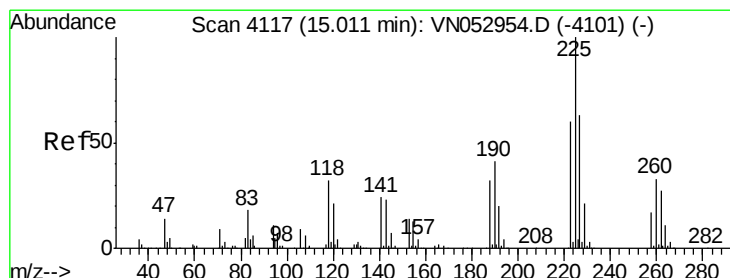
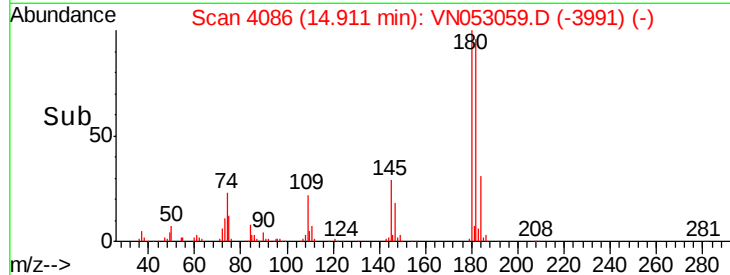
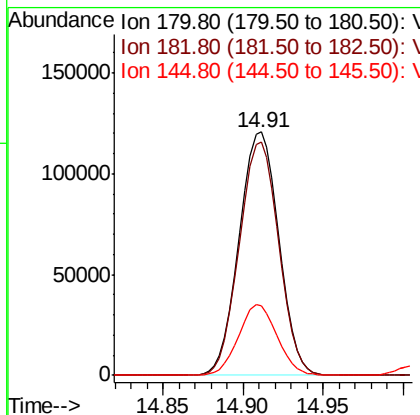
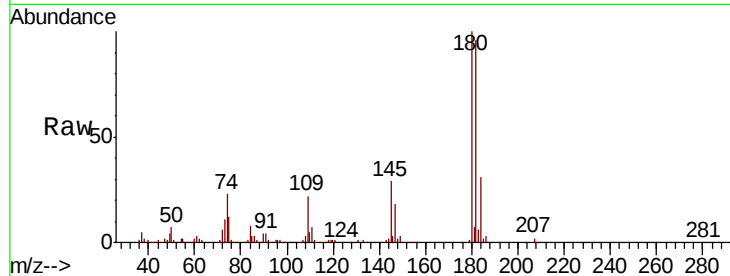




#93
 1,2,4-Trichlorobenzene
 Concen: 17.968 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

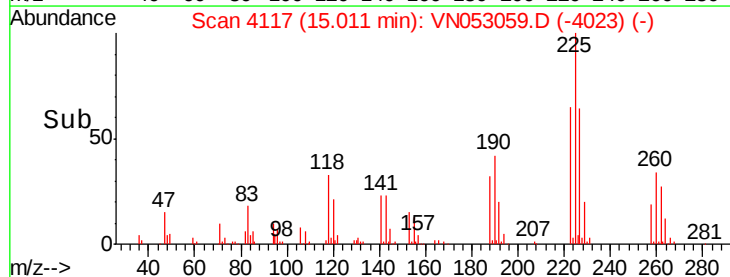
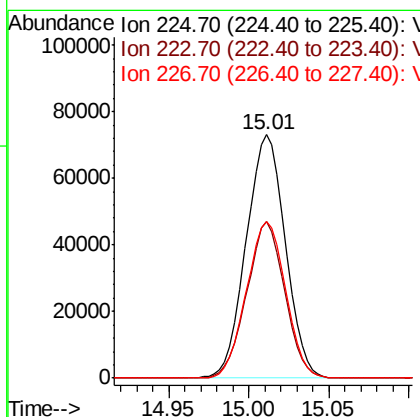
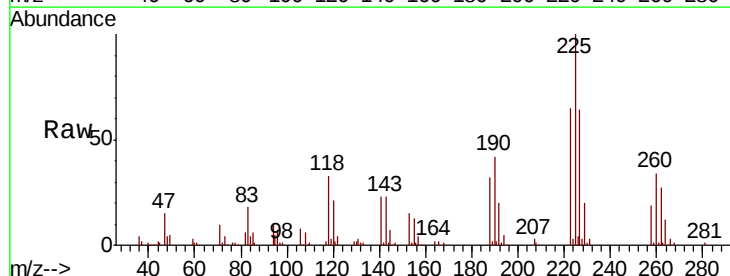
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

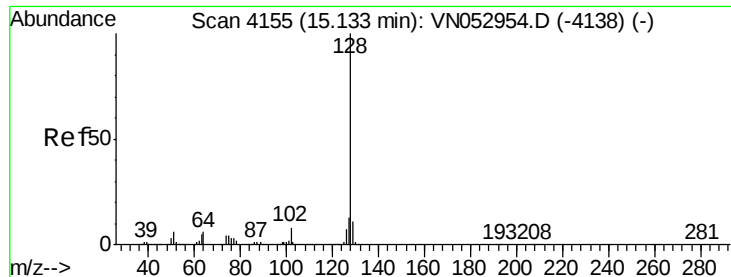
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	28.3	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.595 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	64.3	31.9	95.7

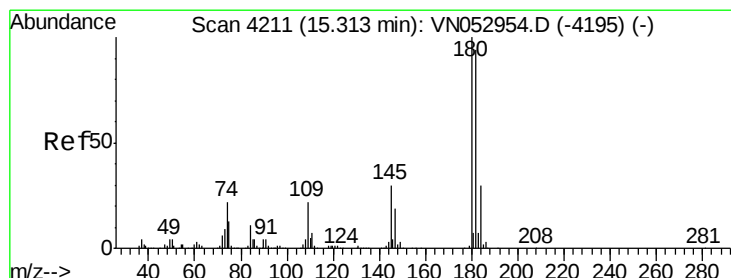
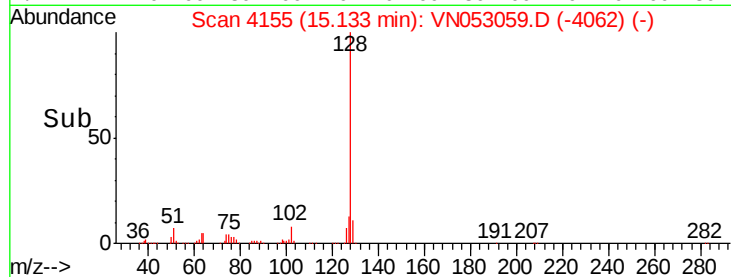
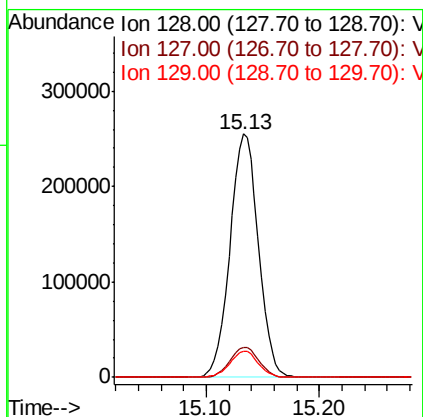
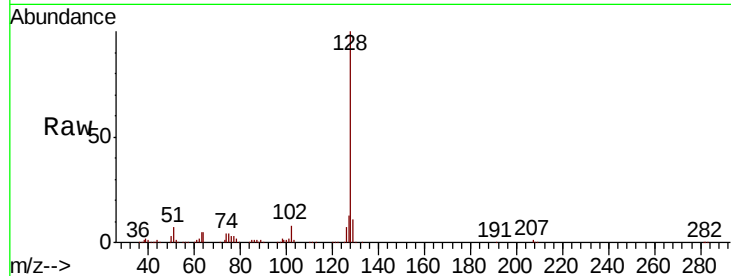




#95
Naphthalene
Concen: 18.195 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:128 Resp: 444177
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.013 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion:180 Resp: 185065
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 30.0 15.0 45.0

