

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053043.D
 Acq On : 20 Dec 2018 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Dec 21 00:12:54 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	1080546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1600267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	718052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	570369	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	460937	63.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.12%	
50) Toluene-d8	10.09	98	2147861	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.40	95	770792	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	527461	48.232	ug/l	100
3) Chloromethane	2.06	50	640058	48.299	ug/l	100
4) Vinyl Chloride	2.19	62	641586	47.804	ug/l	100
5) Bromomethane	2.57	94	425515	45.761	ug/l	99
6) Chloroethane	2.71	64	383717	48.274	ug/l	100
7) Trichlorofluoromethane	3.02	101	815312	48.764	ug/l	100
8) Diethyl Ether	3.41	74	310145	49.171	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	531188	49.829	ug/l	99
10) Methyl Iodide	3.96	142	757769	50.618	ug/l	99
11) Tert butyl alcohol	4.78	59	157439	235.310	ug/l	98
12) 1,1-Dichloroethene	3.74	96	496997	48.257	ug/l	97
13) Acrolein	3.61	56	146052	240.742	ug/l	98
14) Allyl chloride	4.33	41	772642	48.433	ug/l	98
15) Acrylonitrile	4.98	53	892176	240.024	ug/l	99
16) Acetone	3.81	43	477680	222.178	ug/l	97
17) Carbon Disulfide	4.06	76	1431599	42.623	ug/l	99
18) Methyl Acetate	4.32	43	451407	46.333	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1352396	49.069	ug/l	100
20) Methylene Chloride	4.55	84	568000	48.431	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	529359	47.839	ug/l	98
22) Diisopropyl ether	5.95	45	1707156	50.134	ug/l	98
23) Vinyl Acetate	5.89	43	4974069	254.029	ug/l	98
24) 1,1-Dichloroethane	5.85	63	990574	48.955	ug/l	99
25) 2-Butanone	6.83	43	886699	245.745	ug/l	97
26) 2,2-Dichloropropane	6.83	77	759593	49.177	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	614506	49.054	ug/l	100
28) Bromochloromethane	7.19	49	443069	50.533	ug/l	94
29) Tetrahydrofuran	7.21	42	657827	244.104	ug/l	98
30) Chloroform	7.37	83	974256	49.014	ug/l	100
31) Cyclohexane	7.65	56	950023	50.062	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	815019	48.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	776812	50.574	ug/l	100
37) Ethyl Acetate	6.93	43	442447	51.600	ug/l	99
38) Carbon Tetrachloride	7.77	117	705237	50.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	945157	50.654	ug/l	99
40) Benzene	8.04	78	2302841	50.404	ug/l	100
41) Methacrylonitrile	7.17	41	249423	50.345	ug/l	97
42) 1,2-Dichloroethane	8.12	62	676853	50.149	ug/l	98
43) Isopropyl Acetate	8.16	43	815788	49.146	ug/l	97
44) Trichloroethene	8.83	130	655516	49.605	ug/l	97
45) 1,2-Dichloropropane	9.12	63	609600	51.226	ug/l	99
46) Dibromomethane	9.21	93	345428	49.828	ug/l	97
47) Bromodichloromethane	9.40	83	742337	50.376	ug/l	99
48) Methyl methacrylate	9.20	41	415313	49.914	ug/l	99
49) 1,4-Dioxane	9.20	88	107777	1023.999	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2141240	257.862	ug/l	99
52) Toluene	10.16	92	1460763	51.584	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	768814	49.615	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	906470	50.965	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	500987	50.710	ug/l	99
56) Ethyl methacrylate	10.43	69	668438	51.118	ug/l	98
57) 1,3-Dichloropropane	10.71	76	864093	51.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1826765	254.465	ug/l	98
59) 2-Hexanone	10.75	43	1482913	263.947	ug/l	98
60) Dibromochloromethane	10.90	129	566641	50.107	ug/l	100
61) 1,2-Dibromoethane	11.01	107	505735	50.404	ug/l	99
64) Tetrachloroethene	10.63	164	745682	47.377	ug/l	98
65) Chlorobenzene	11.43	112	1628816	50.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559744	49.974	ug/l	99
67) Ethyl Benzene	11.51	91	2833110	51.147	ug/l	100
68) m/p-Xylenes	11.62	106	2180756	103.562	ug/l	99
69) o-Xylene	11.95	106	1056697	52.295	ug/l	100
70) Styrene	11.96	104	1748273	53.061	ug/l	99
71) Bromoform	12.13	173	388967	48.071	ug/l #	100
73) Isopropylbenzene	12.25	105	2821009	50.213	ug/l	100
74) N-amyl acetate	12.07	43	763593	48.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	559146	50.730	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	785045	64.946	ug/l #	100
77) Bromobenzene	12.53	156	725605	49.686	ug/l	97
78) n-propylbenzene	12.59	91	3262087	50.982	ug/l	99
79) 2-Chlorotoluene	12.67	91	1898499	47.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2310241	50.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177976	47.456	ug/l	97
82) 4-Chlorotoluene	12.77	91	1952810	50.298	ug/l	99
83) tert-Butylbenzene	12.99	119	2011759	49.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2348694	51.020	ug/l	100
85) sec-Butylbenzene	13.17	105	2714265	49.549	ug/l	100
86) p-Isopropyltoluene	13.29	119	2385070	50.388	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1292914	50.021	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1285977	49.130	ug/l	100
89) n-Butylbenzene	13.62	91	2002120	49.166	ug/l	99
90) Hexachloroethane	13.88	117	354704	48.832	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1219508	50.132	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88920	46.659	ug/l	98

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Quant Title : SW846 8260
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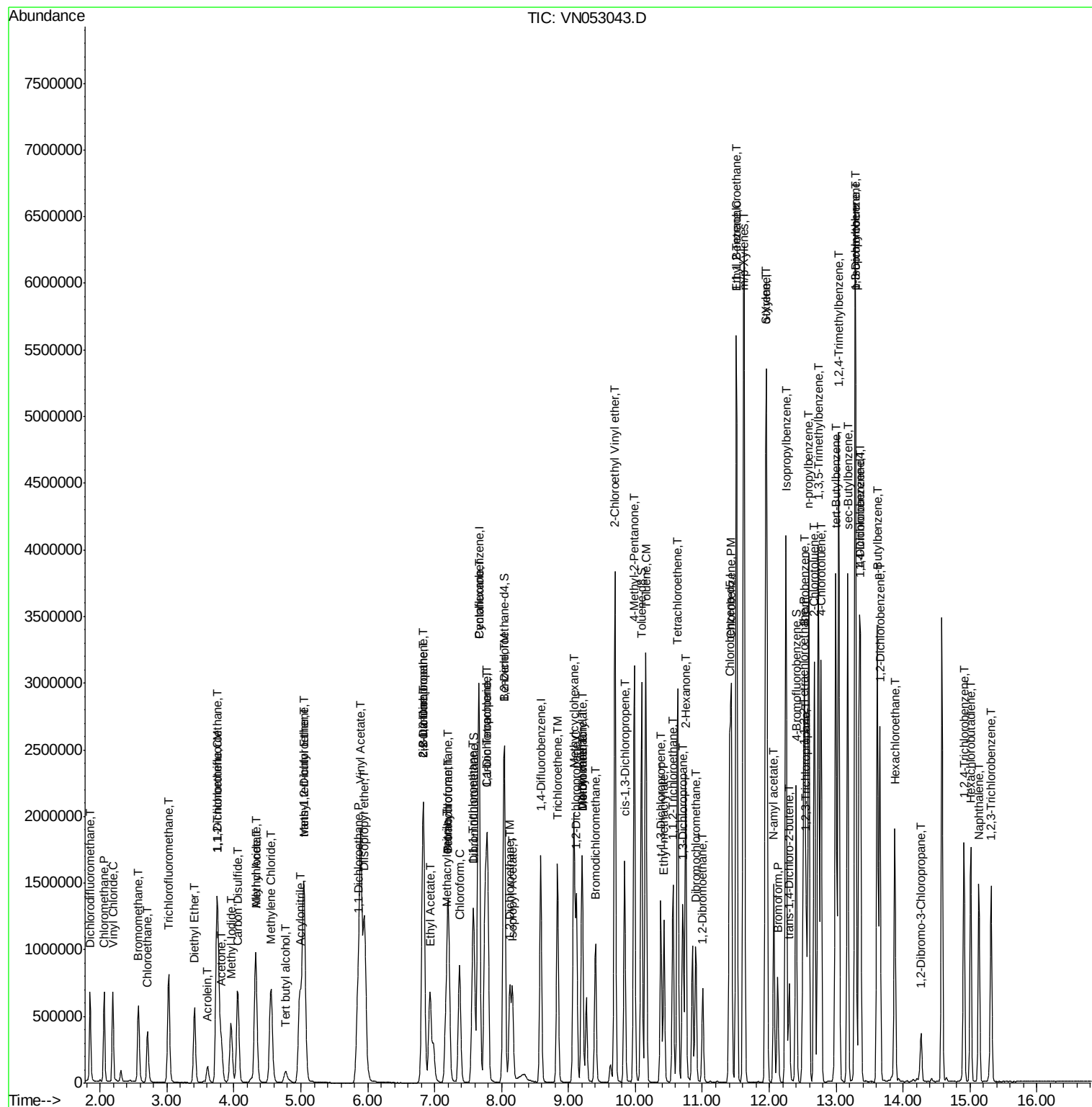
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	641161	49.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	383451	57.917	ug/l	99
95) Naphthalene	15.13	128	1309629	46.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	559610	48.236	ug/l	99

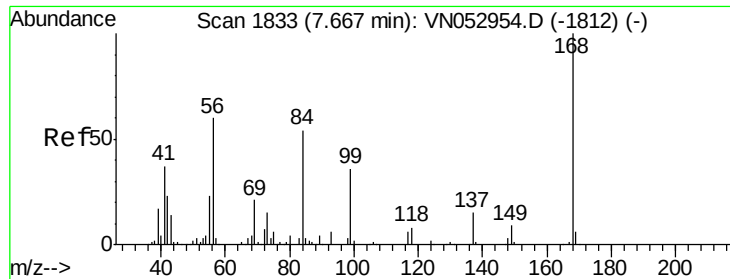
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

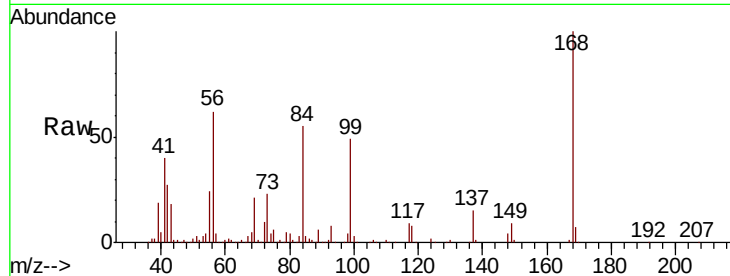
Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:168 Resp: 1080546

Ion Ratio Lower Upper

168 100

99 49.0 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

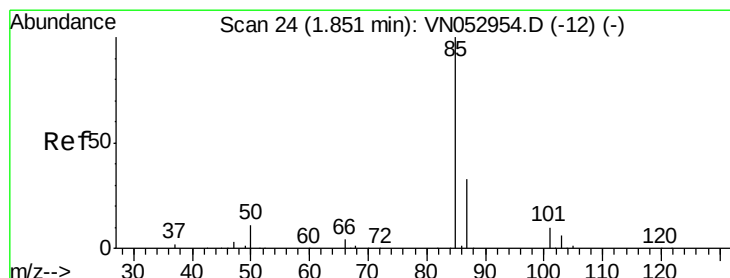
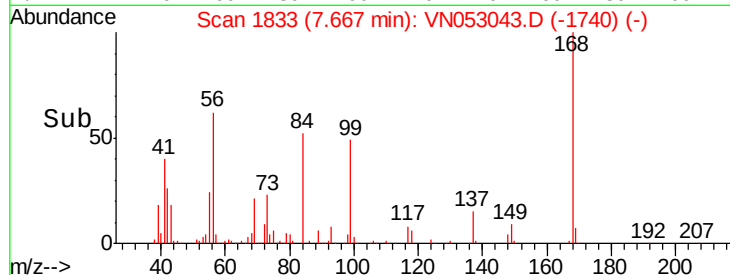
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.232 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053043.D

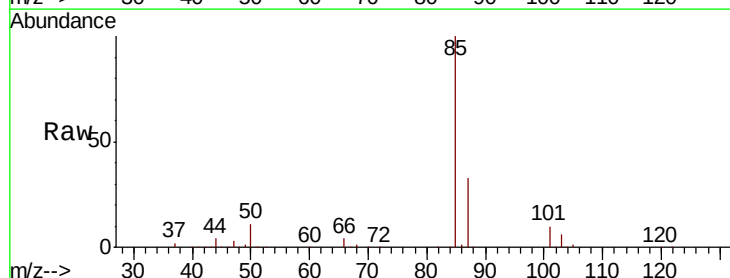
Acq: 20 Dec 2018 9:08

Tgt Ion: 85 Resp: 527461

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

400000

300000

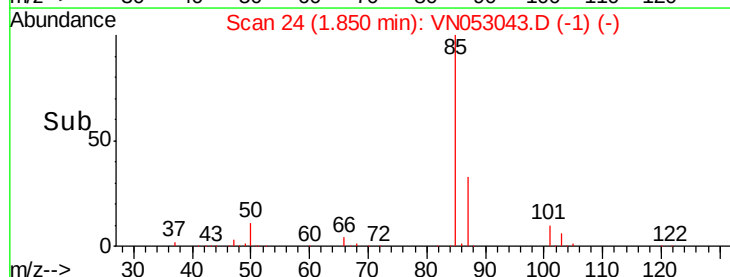
200000

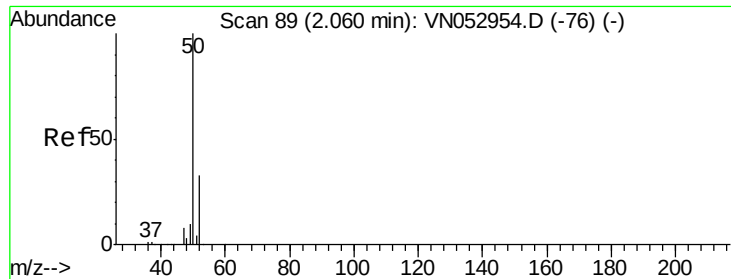
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.299 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

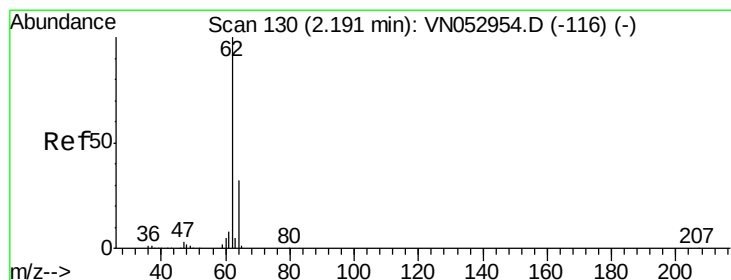
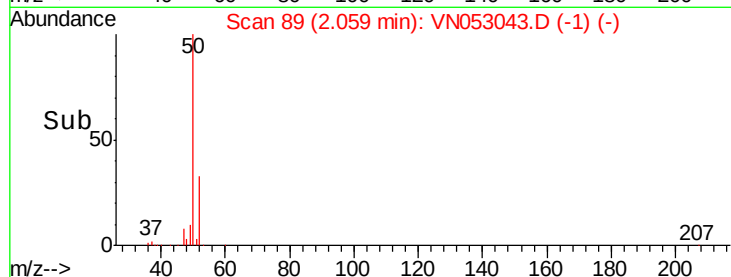
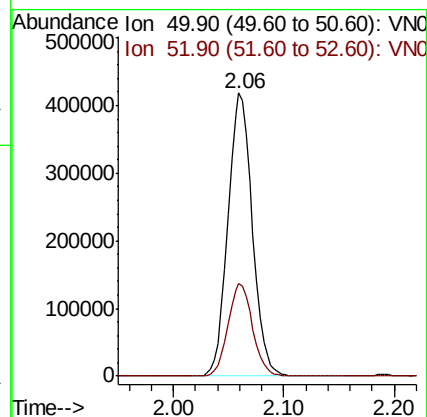
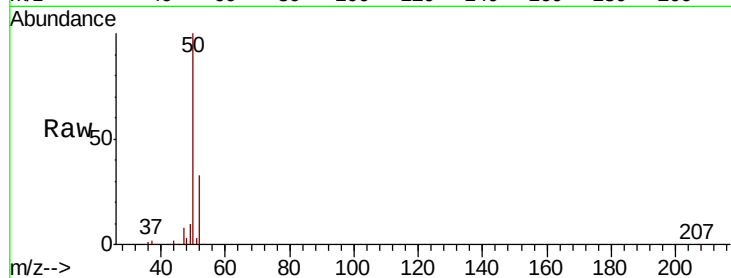
BFB

Tot Ion: 50 Resp: 640058

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 47.804 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053043.D

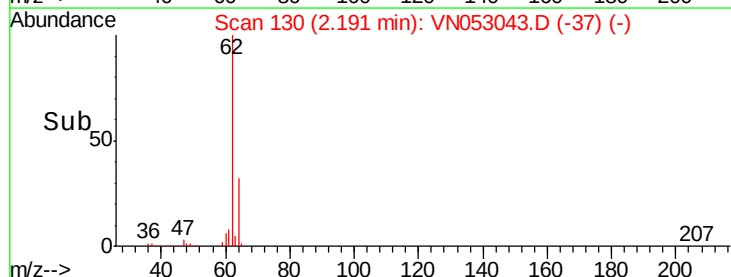
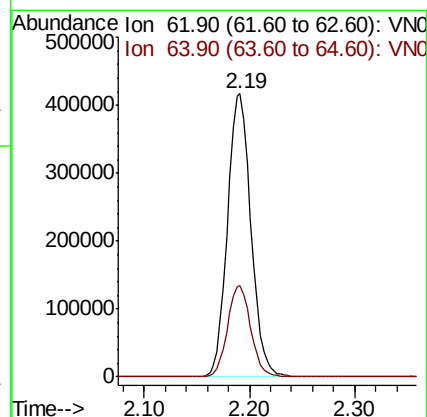
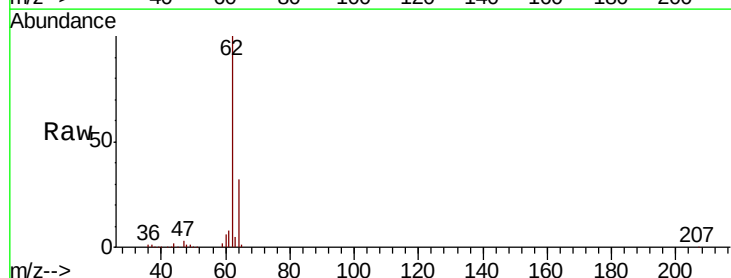
Acq: 20 Dec 2018 9:08

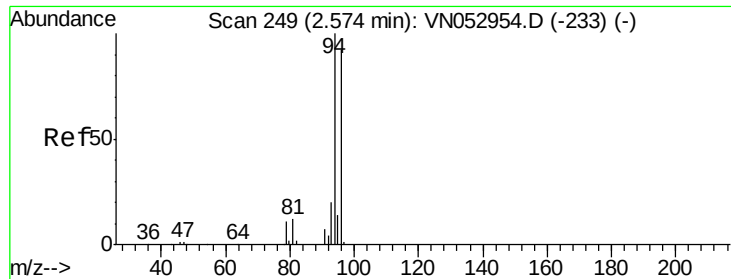
Tgt Ion: 62 Resp: 641586

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 45.761 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

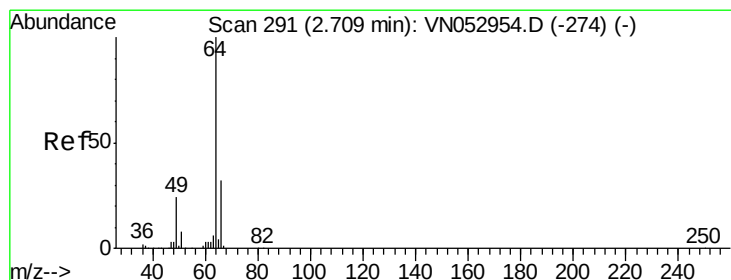
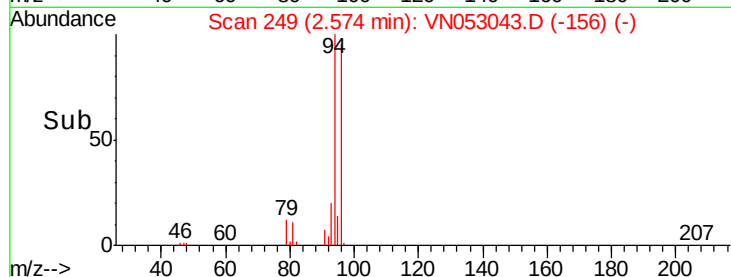
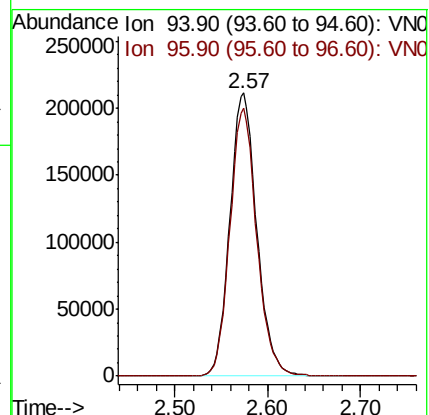
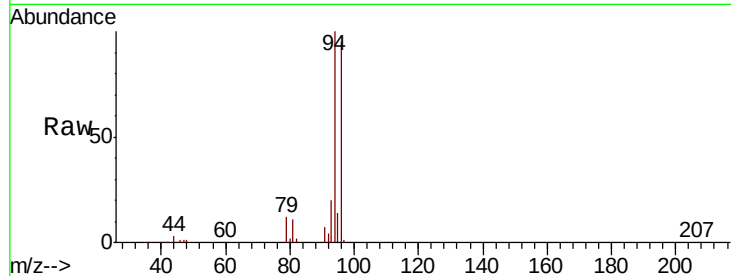
BFB

Tot Ion: 94 Resp: 425515

Ion Ratio Lower Upper

94 100

96 94.6 75.0 112.4



#6

Chloroethane

Concen: 48.274 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053043.D

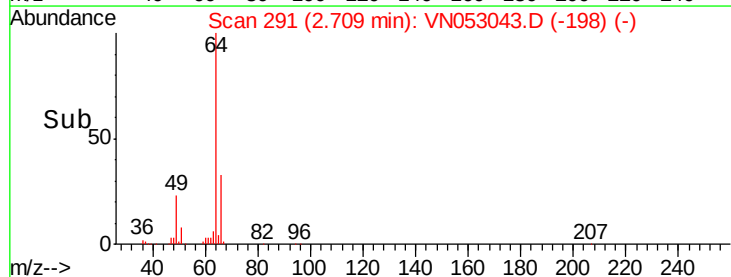
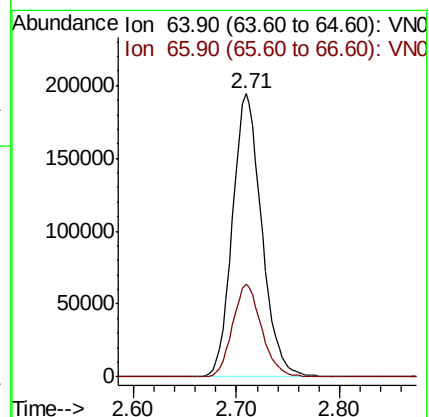
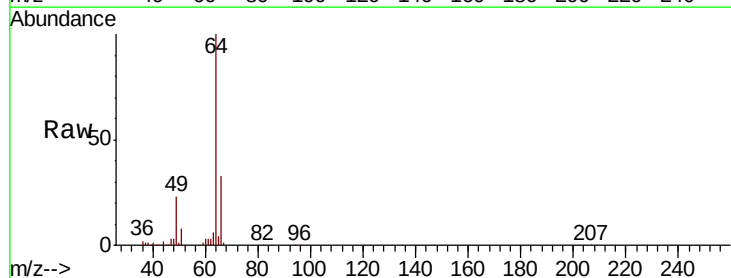
Acq: 20 Dec 2018 9:08

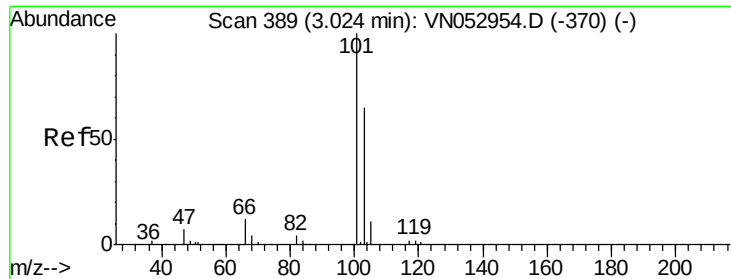
Tgt Ion: 64 Resp: 383717

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2





#7

Trichlorofluoromethane

Concen: 48.764 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

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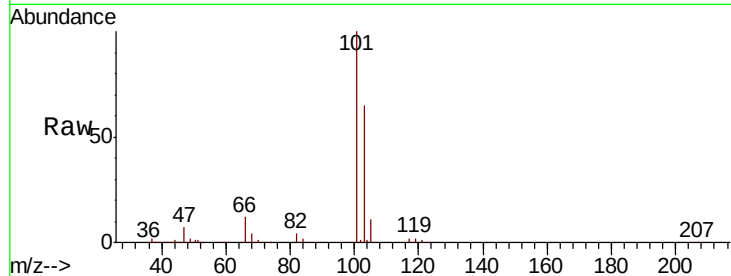
BFB

Tot Ion:101 Resp: 815312

Ion Ratio Lower Upper

101 100

103 65.0 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

400000

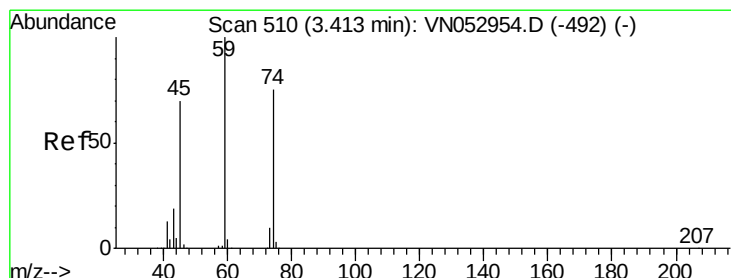
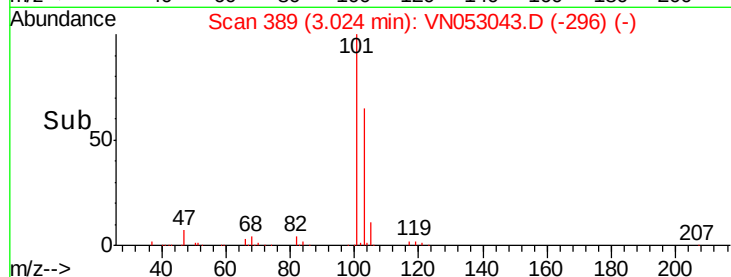
300000

200000

100000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 49.171 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN053043.D

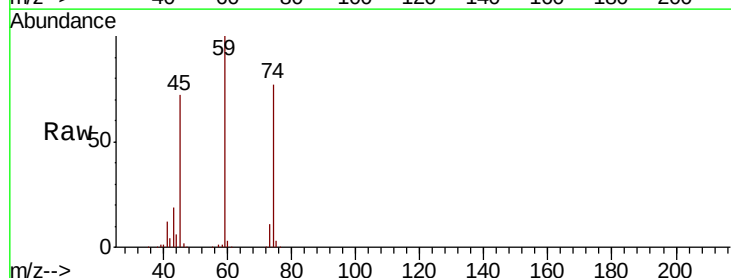
Acq: 20 Dec 2018 9:08

Tgt Ion: 74 Resp: 310145

Ion Ratio Lower Upper

74 100

45 93.4 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

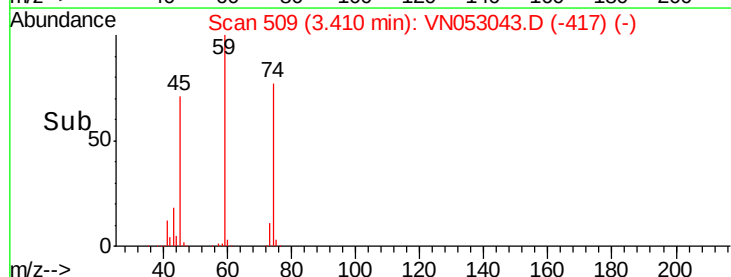
150000

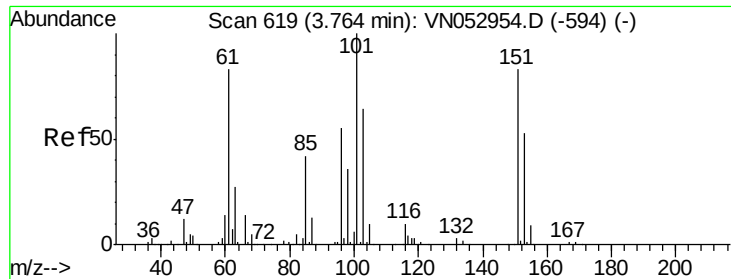
100000

50000

0

Time--> 3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.829 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

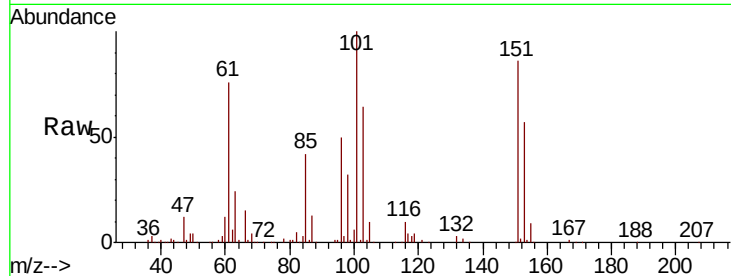
Tot Ion:101 Resp: 531188

Ion Ratio Lower Upper

101 100

85 41.7 33.6 50.4

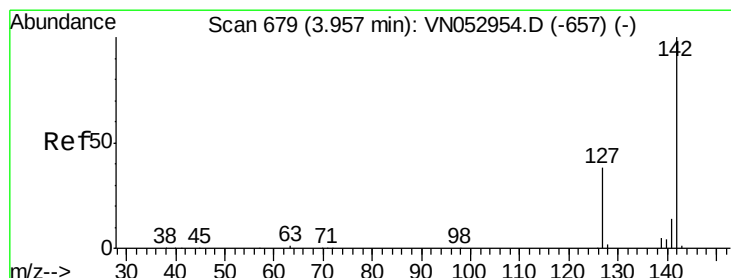
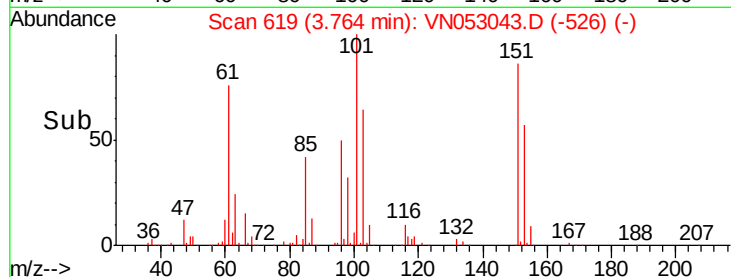
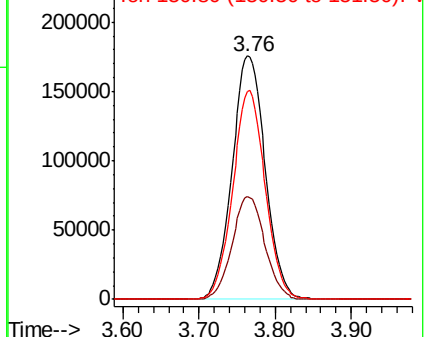
151 83.7 65.5 98.3



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: 50.618 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

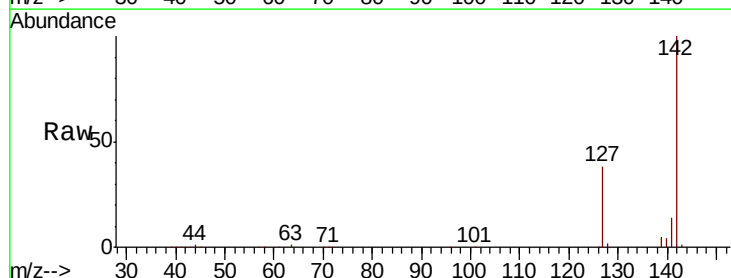
Tgt Ion:142 Resp: 757769

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

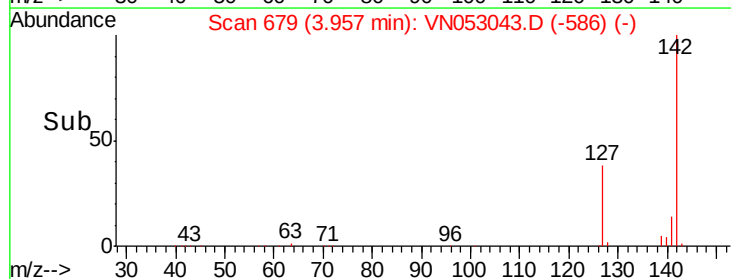
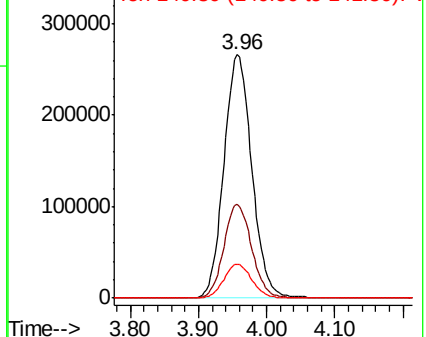
141 14.0 11.2 16.8

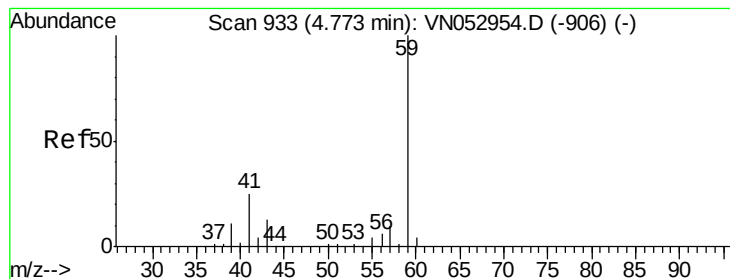


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



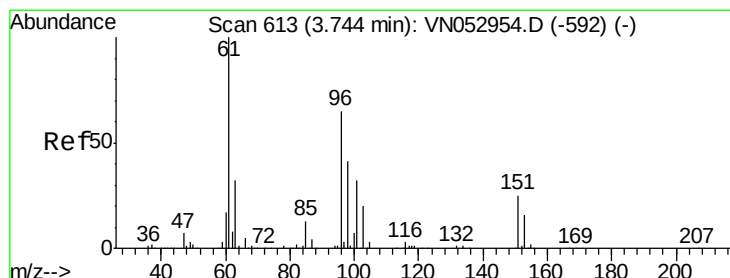
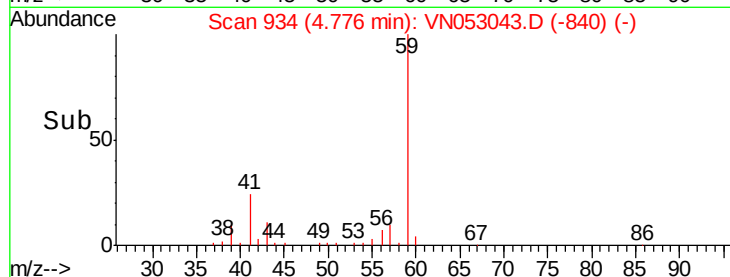
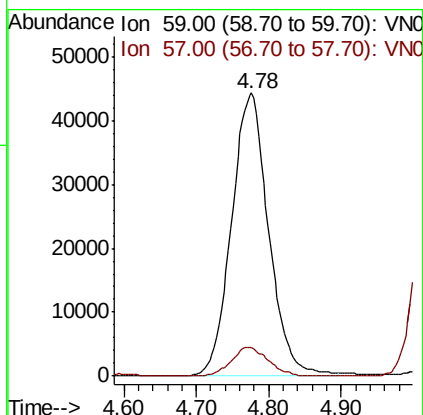
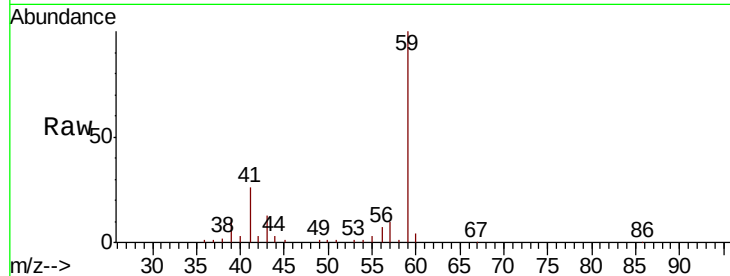


#11

Tert butyl alcohol
 Concen: 235.310 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

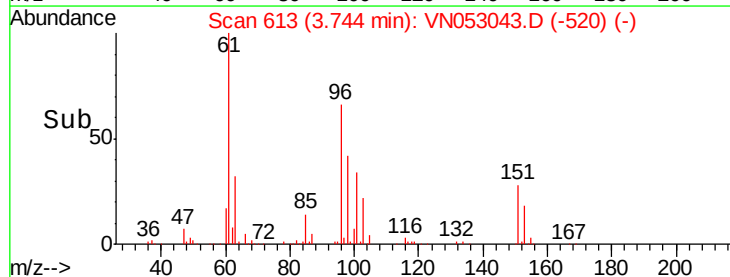
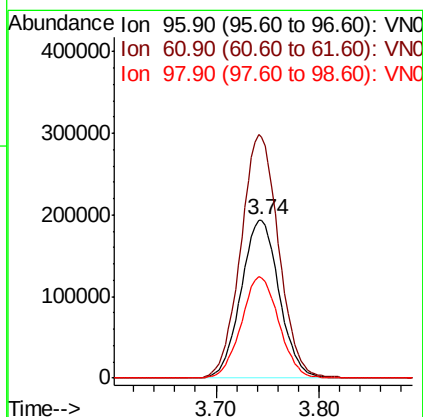
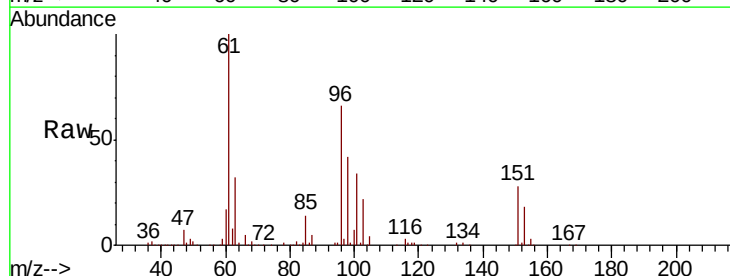
Tot Ion: 59 Resp: 157439
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.7 11.5

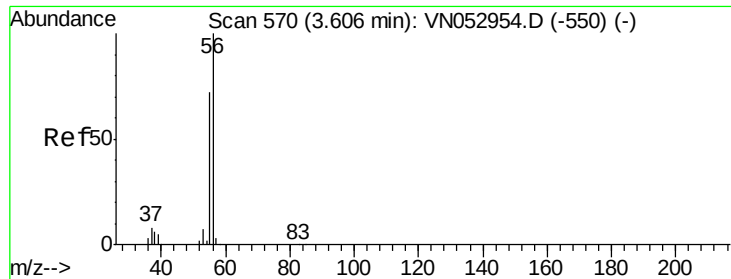


#12

1,1-Dichloroethene
 Concen: 48.257 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 96 Resp: 496997
 Ion Ratio Lower Upper
 96 100
 61 152.5 125.6 188.4
 98 63.5 50.6 75.8





#13

Acrolein

Concen: 240.742 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

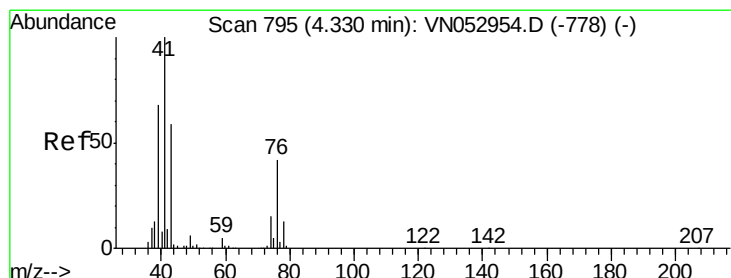
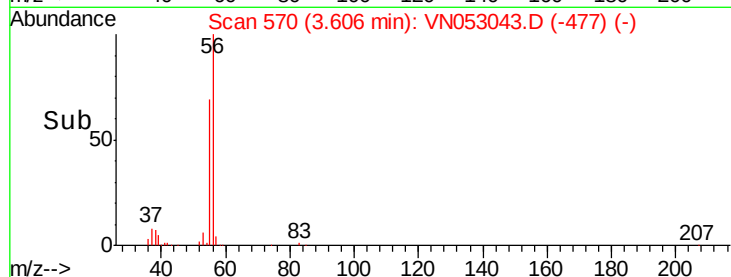
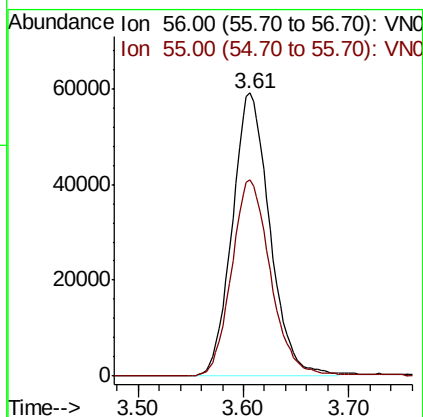
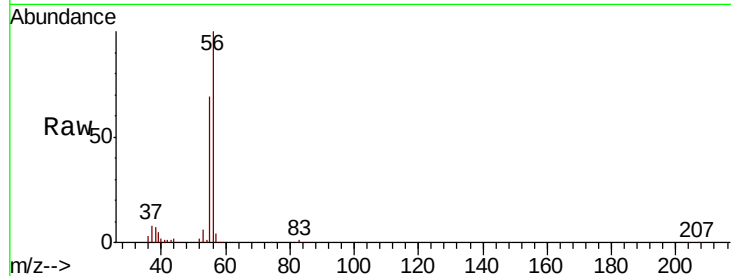
BFB

Tot Ion: 56 Resp: 146052

Ion Ratio Lower Upper

56 100

55 72.1 56.6 85.0



#14

Allyl chloride

Concen: 48.433 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

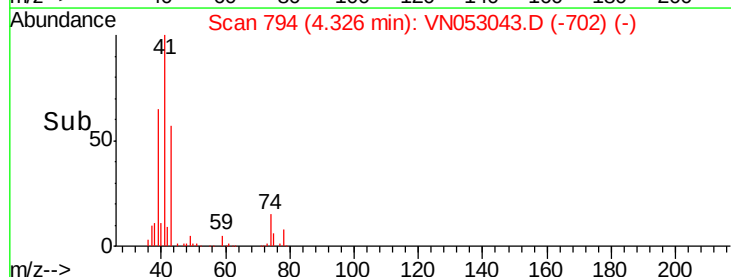
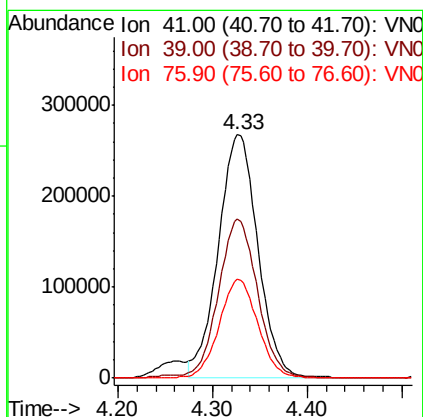
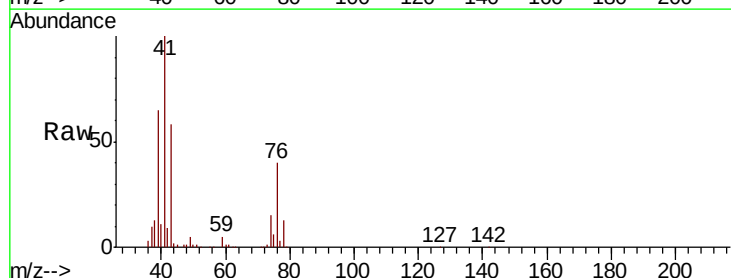
Tgt Ion: 41 Resp: 772642

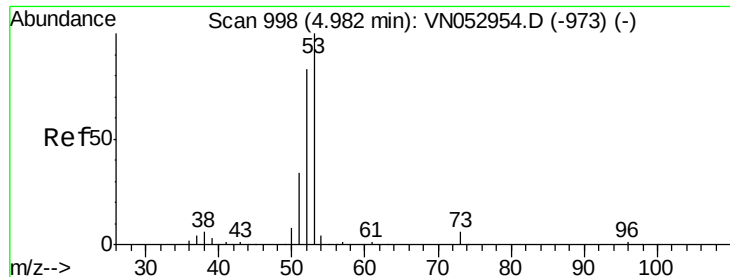
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 240.024 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

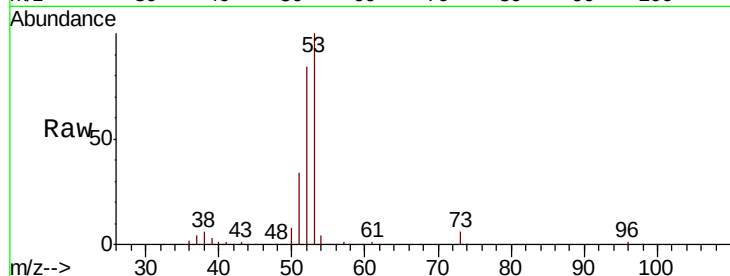
Tot Ion: 53 Resp: 892176

Ion Ratio Lower Upper

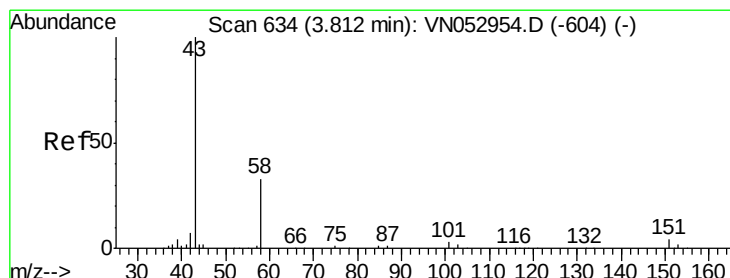
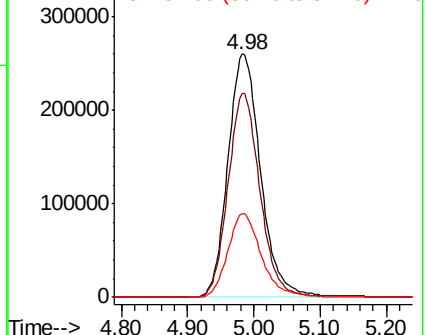
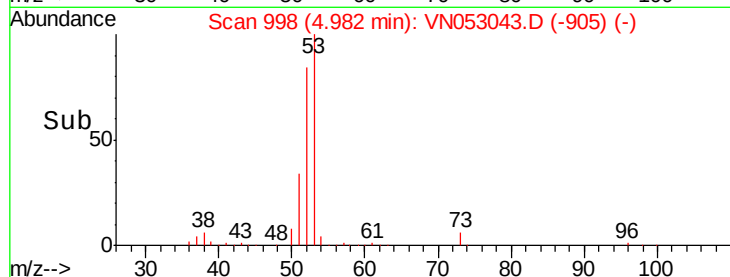
53 100

52 81.9 65.1 97.7

51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053043.D (-905) (-)



#16

Acetone

Concen: 222.178 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053043.D

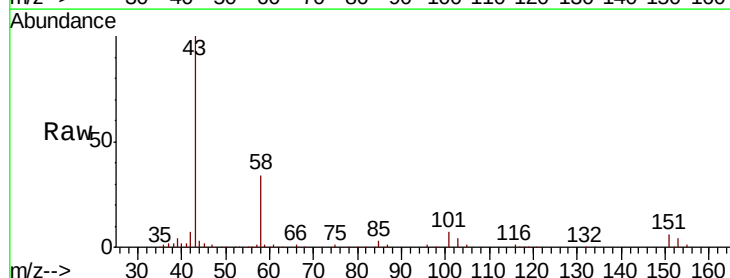
Acq: 20 Dec 2018 9:08

Tgt Ion: 43 Resp: 477680

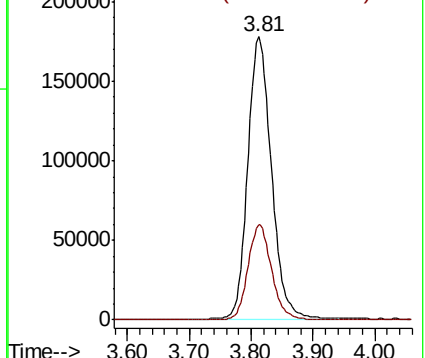
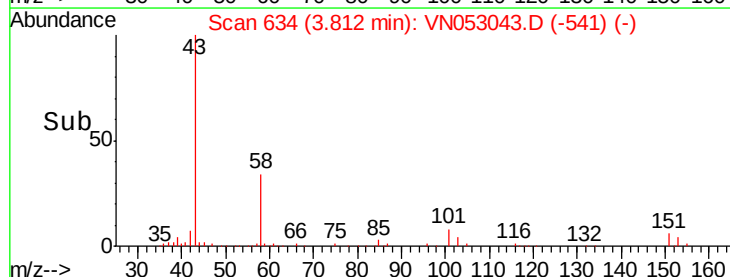
Ion Ratio Lower Upper

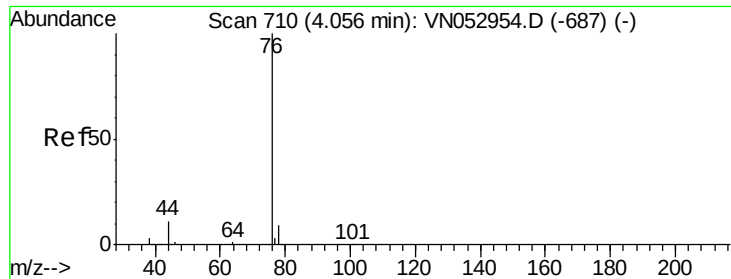
43 100

58 33.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053043.D (-541) (-)

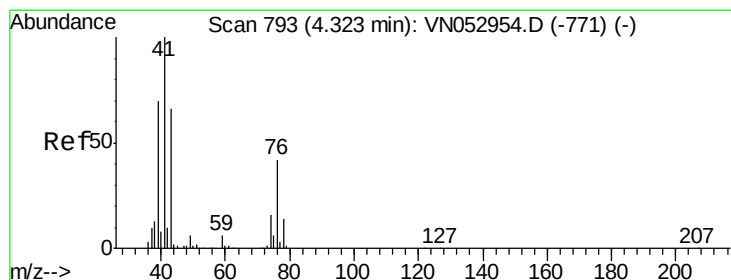
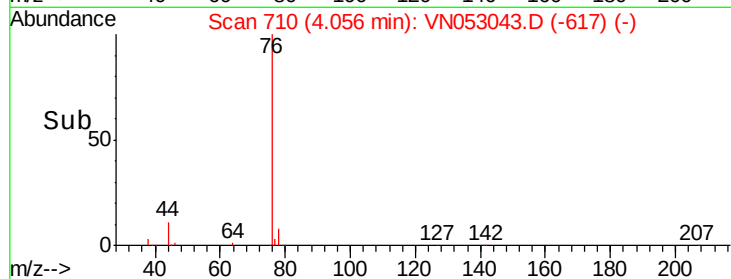
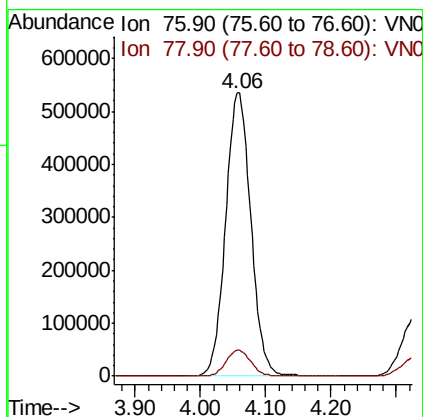
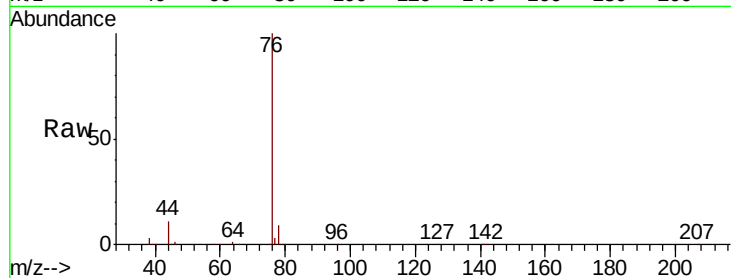




#17
Carbon Disulfide
Concen: 42.623 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

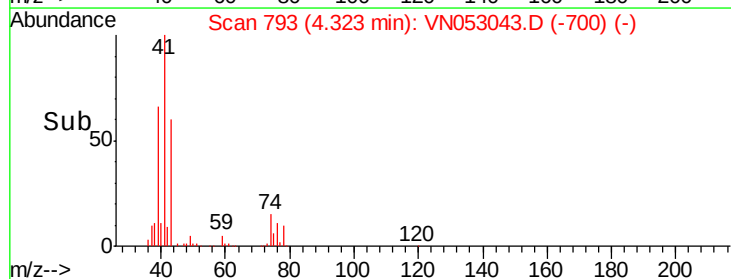
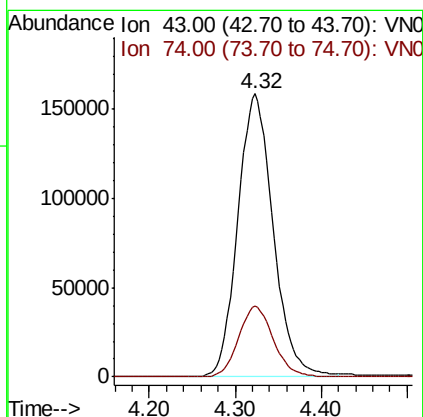
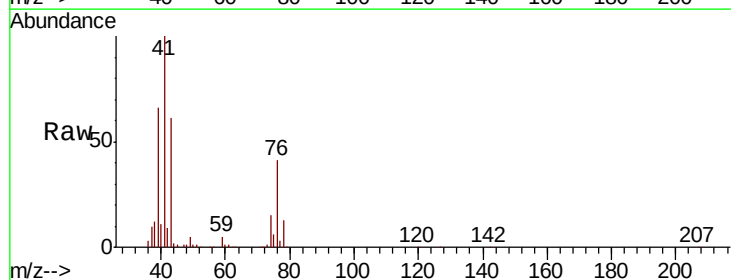
Instrument :
MSVOA_N
ClientSampled :
BFB

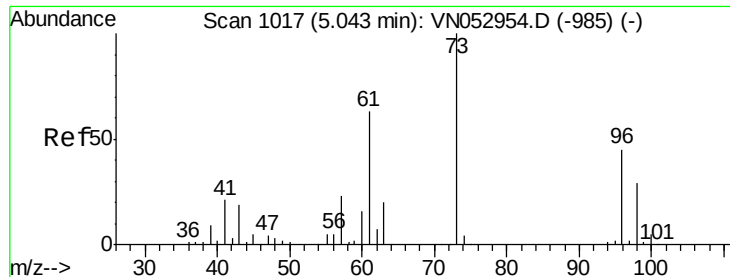
Tot Ion: 76 Resp: 1431599
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 46.333 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 43 Resp: 451407
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8

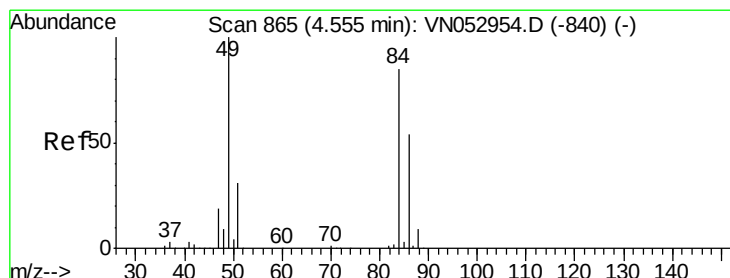
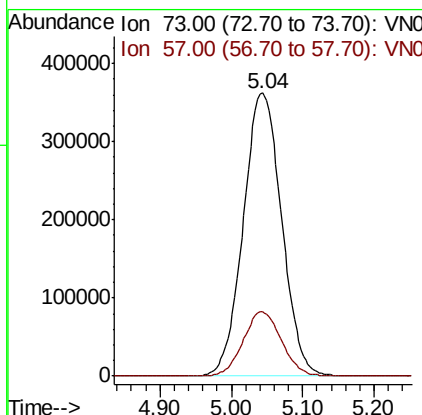
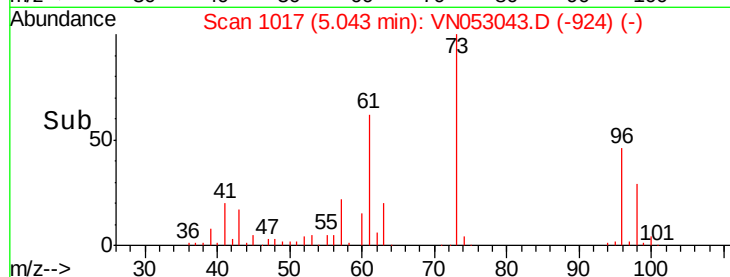
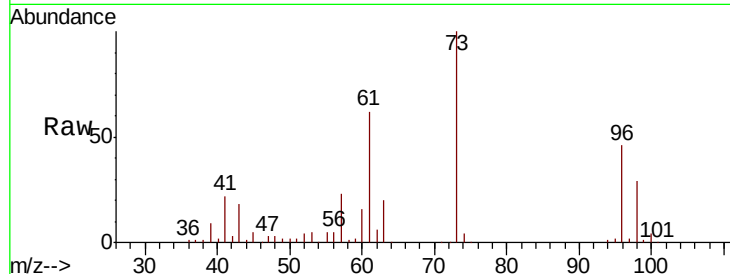




#19
Methyl tert-butyl Ether
Concen: 49.069 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

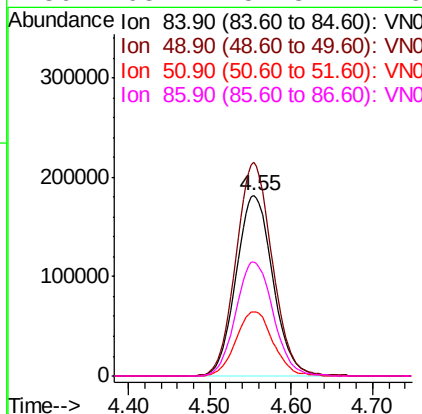
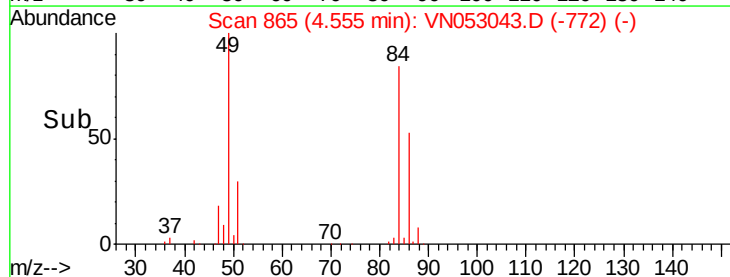
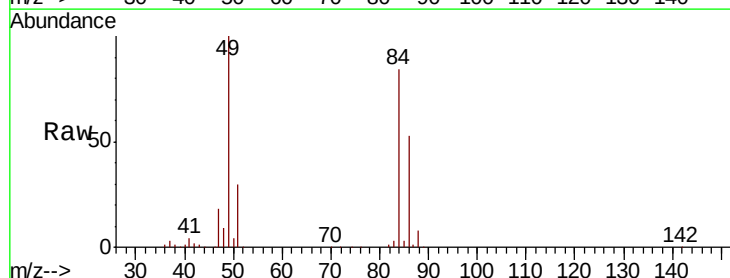
Instrument :
MSVOA_N
ClientSampled :
BFB

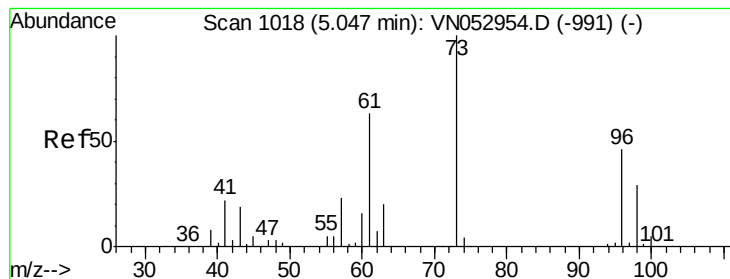
Tot Ion: 73 Resp: 1352396
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 48.431 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 84 Resp: 568000
Ion Ratio Lower Upper
84 100
49 118.6 96.8 145.2
51 35.7 29.9 44.9
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.839 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

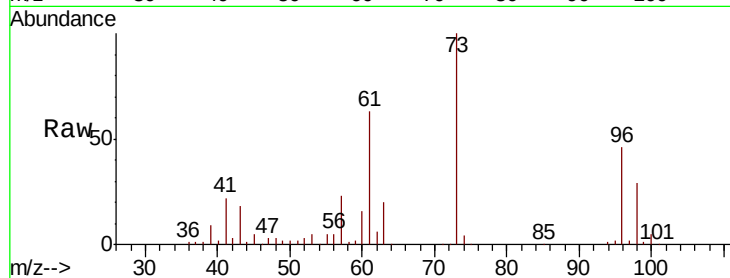
Tot Ion: 96 Resp: 529359

Ion Ratio Lower Upper

96 100

61 135.6 110.8 166.2

98 63.6 51.4 77.2

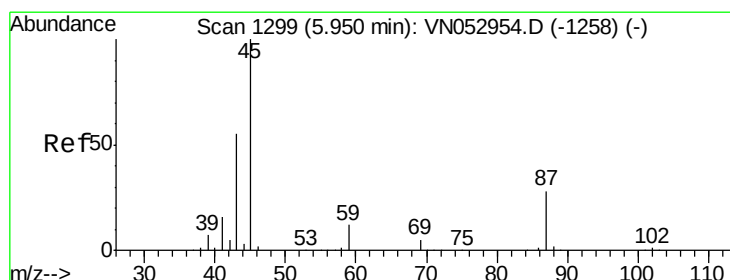
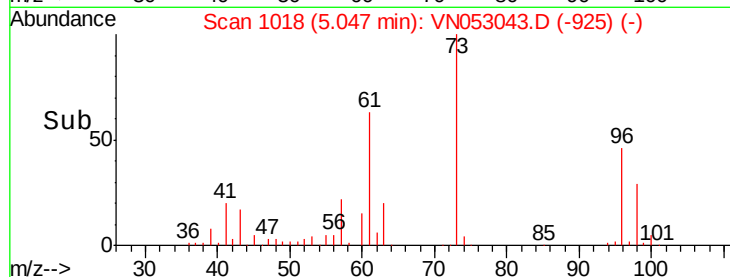
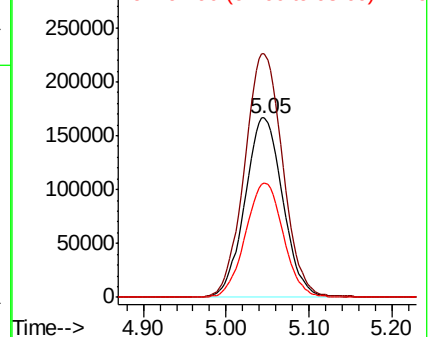


Abundance

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: 50.134 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion: 45 Resp: 1707156

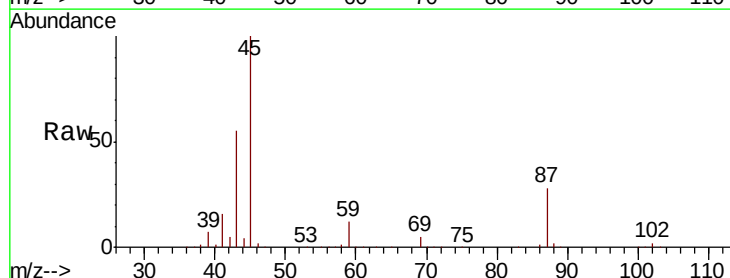
Ion Ratio Lower Upper

45 100

43 54.5 45.5 68.3

87 28.1 22.0 33.0

59 11.5 9.4 14.0



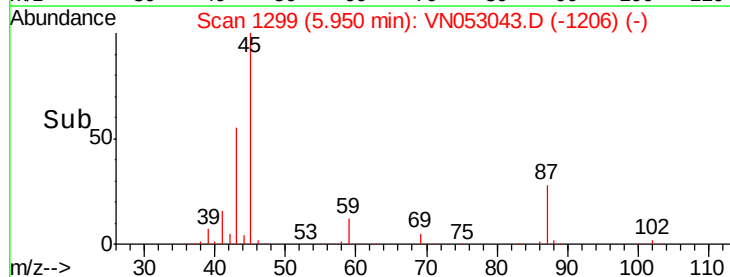
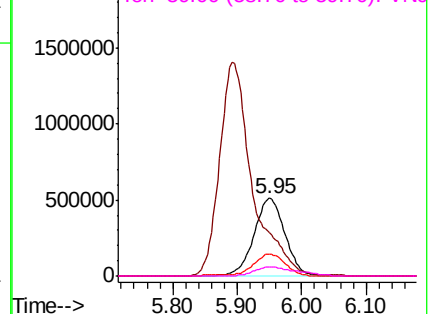
Abundance

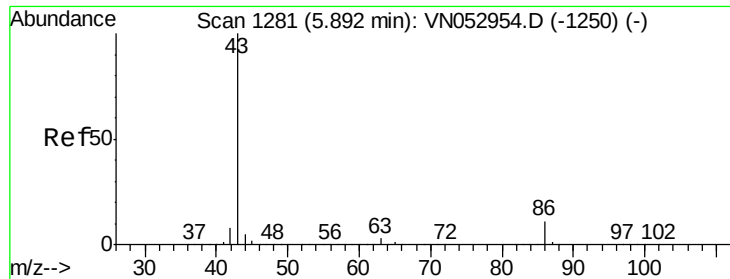
Ion 45.00 (44.70 to 45.70): VN0

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

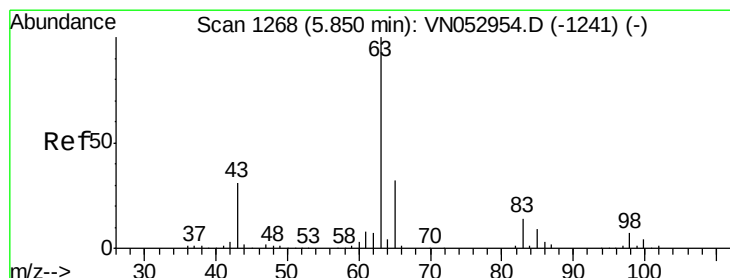
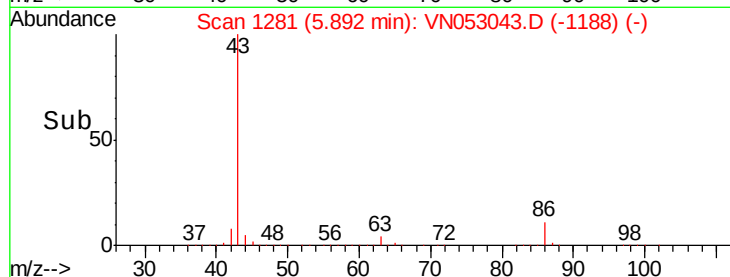
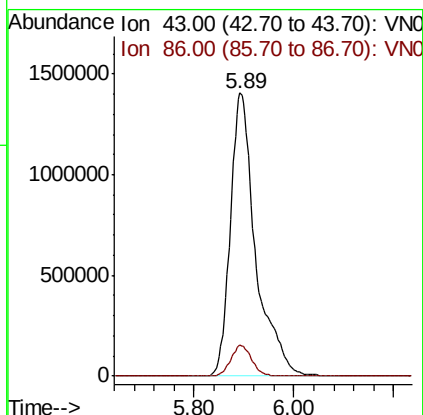
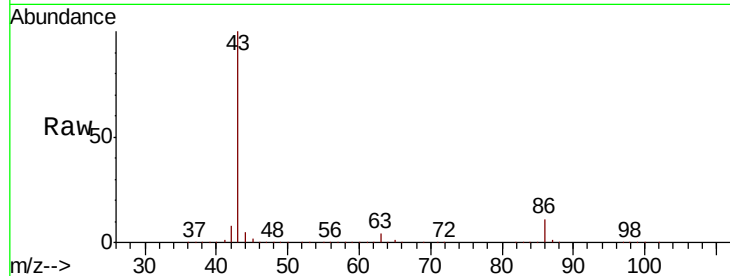




#23
 Vinyl Acetate
 Concen: 254.029 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

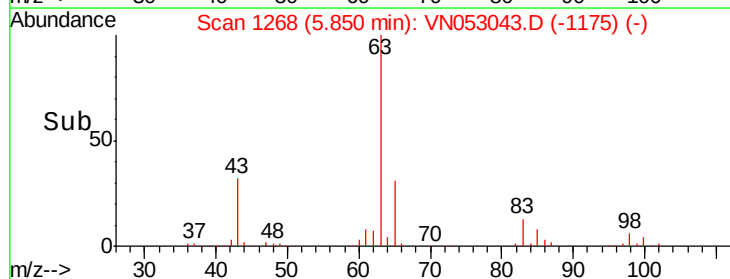
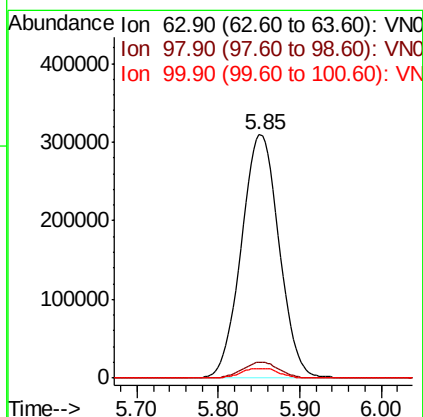
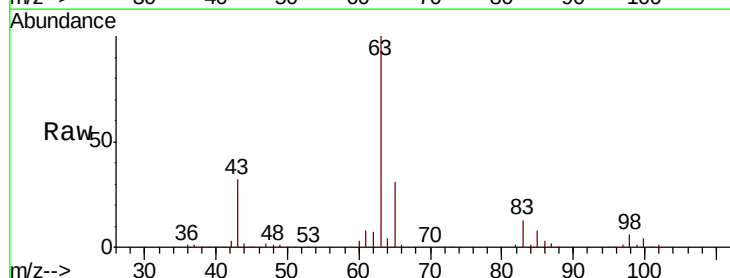
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

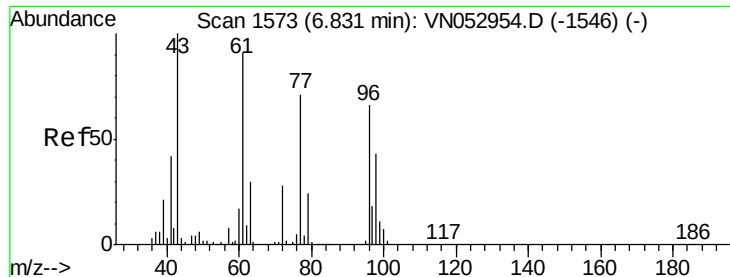
Tot Ion: 43 Resp: 4974069
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 48.955 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 63 Resp: 990574
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.1 2.0 5.8

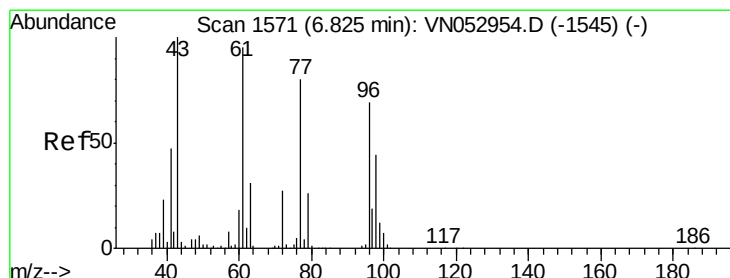
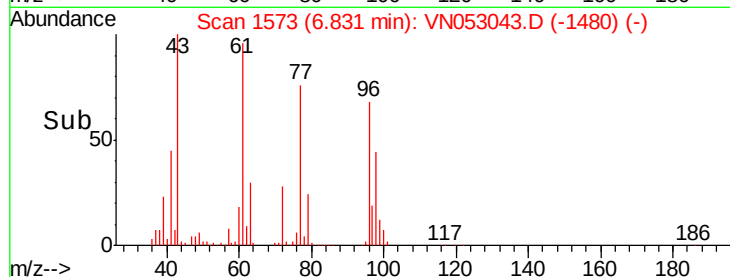
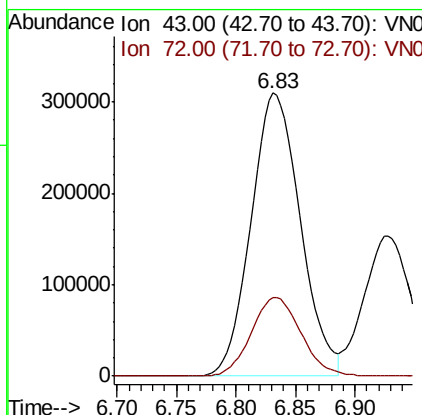
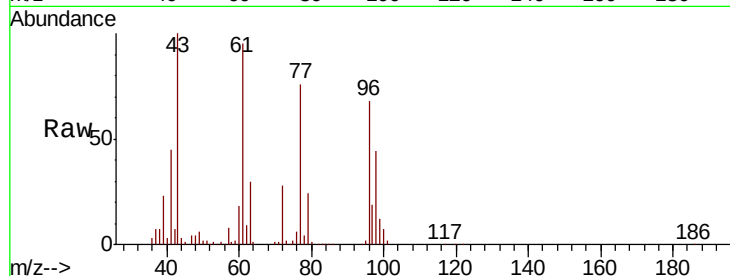




#25
2-Butanone
Concen: 245.745 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

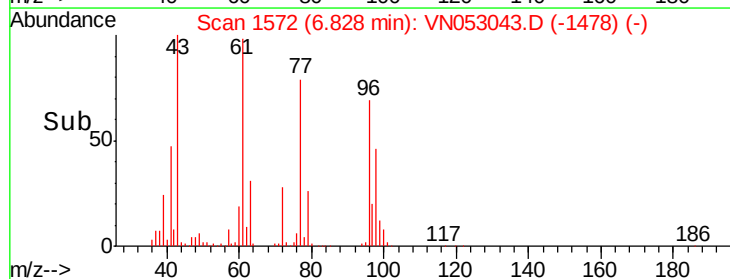
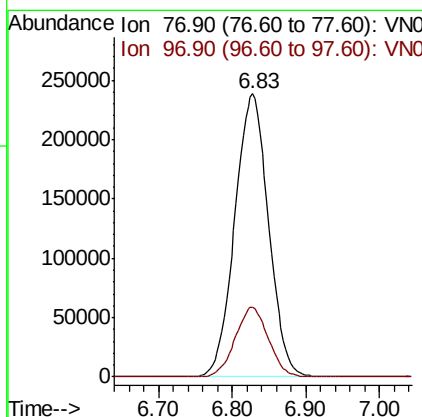
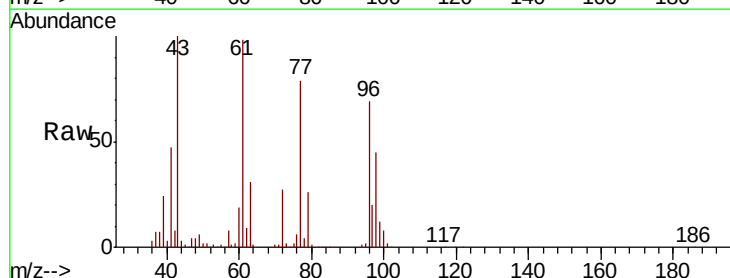
Instrument :
MSVOA_N
ClientSampled :
BFB

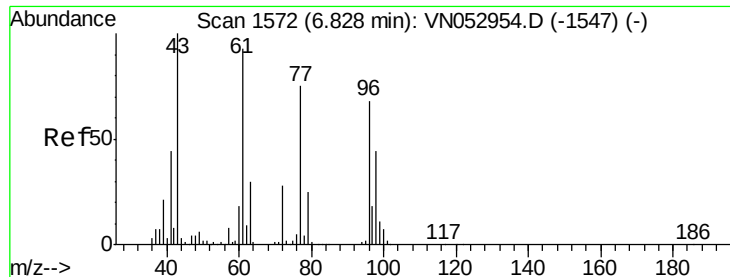
Tot Ion: 43 Resp: 886699
Ion Ratio Lower Upper
43 100
72 27.7 21.0 31.6



#26
2,2-Dichloropropane
Concen: 49.177 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 77 Resp: 759593
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.054 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

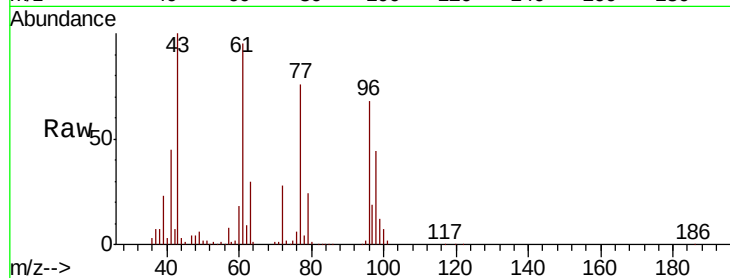
Tot Ion: 96 Resp: 614506

Ion Ratio Lower Upper

96 100

61 142.5 0.0 284.2

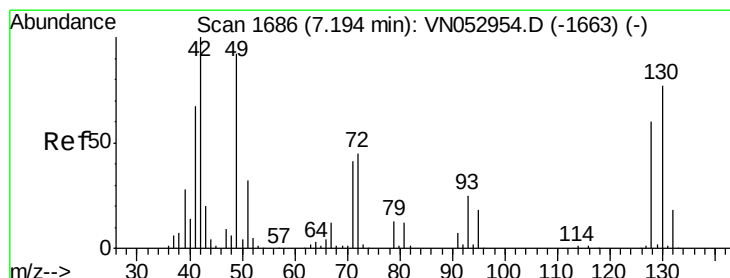
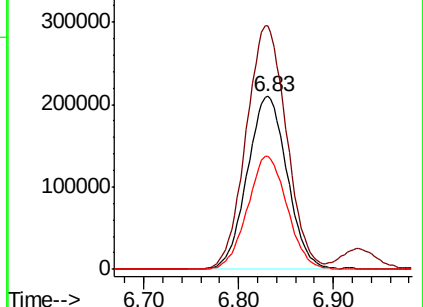
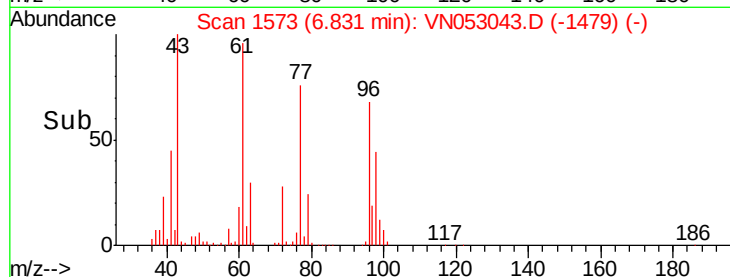
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053043.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053043.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053043.D (-1479) (-)



#28

Bromochloromethane

Concen: 50.533 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

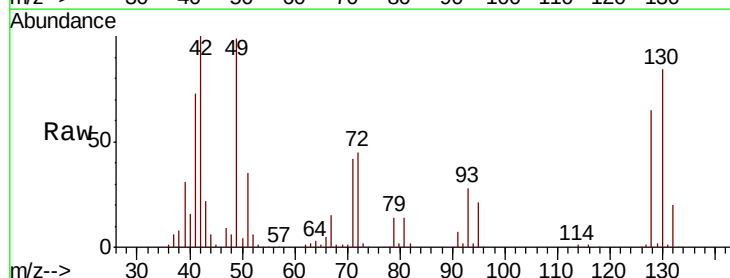
Tgt Ion: 49 Resp: 443069

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

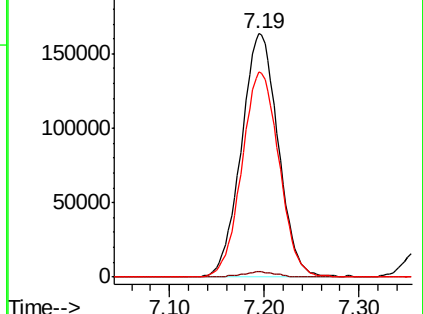
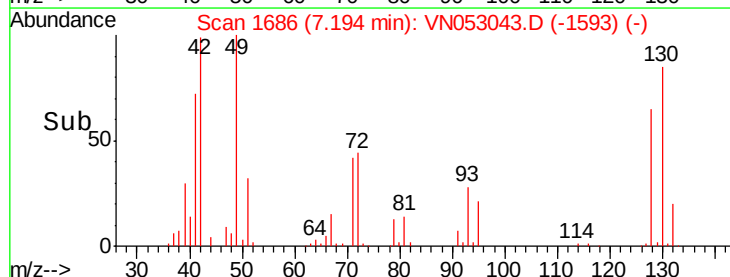
130 84.9 63.3 94.9

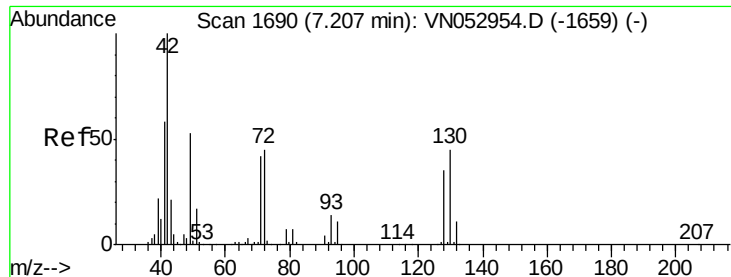


Abundance Ion 48.90 (48.60 to 49.60): VN053043.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053043.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053043.D (-1593) (-)

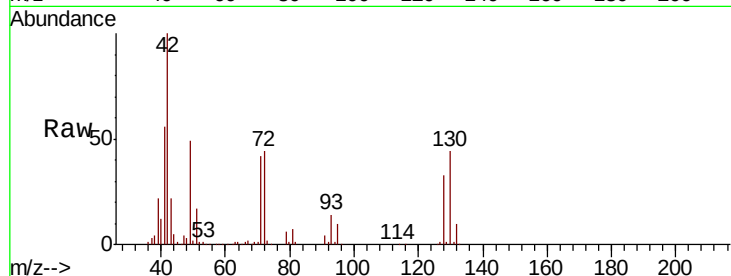




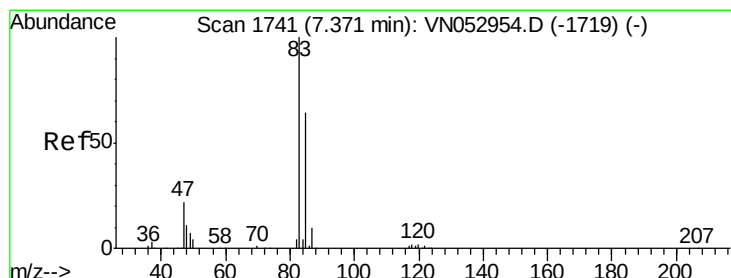
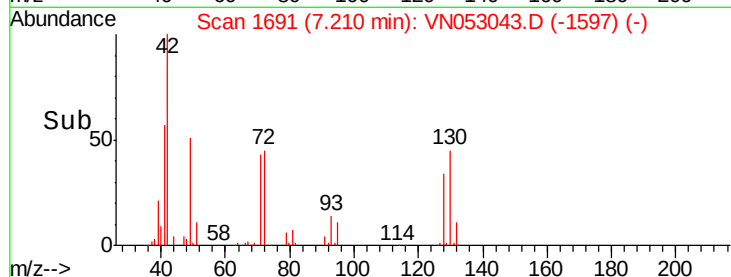
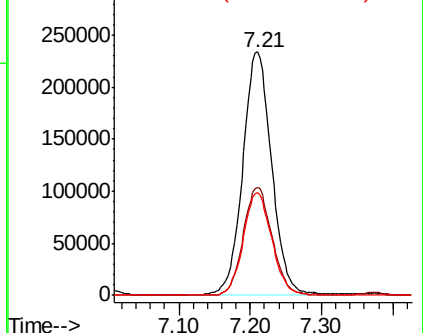
#29
Tetrahydrofuran
Concen: 244.104 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 42 Resp: 657827
Ion Ratio Lower Upper
42 100
72 44.2 34.7 52.1
71 41.6 32.3 48.5

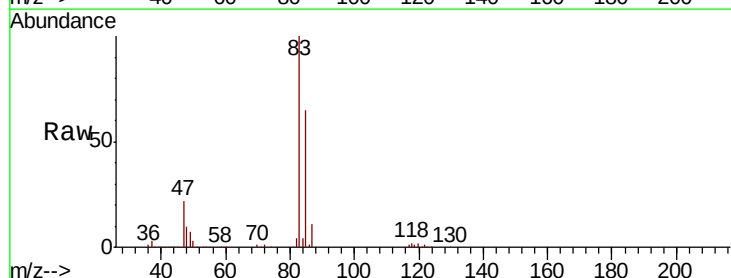


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

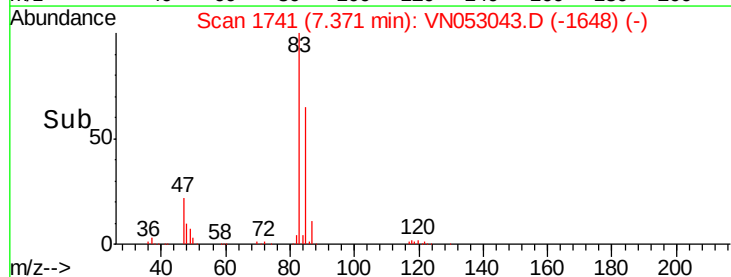
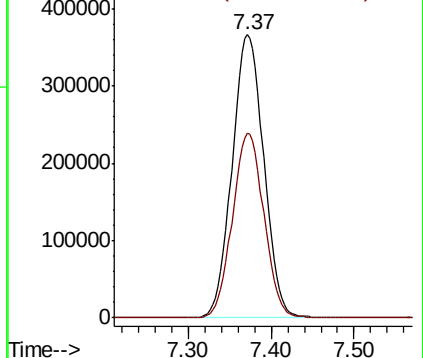


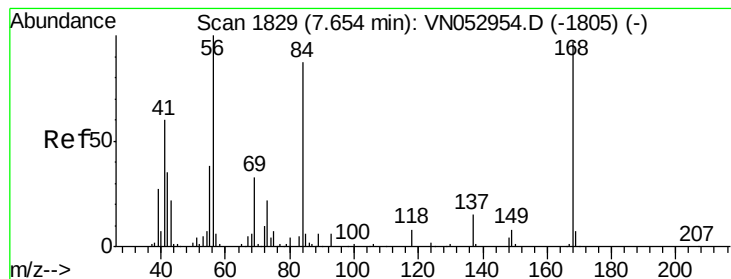
#30
Chloroform
Concen: 49.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 83 Resp: 974256
Ion Ratio Lower Upper
83 100
85 65.1 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: 50.062 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

BFB

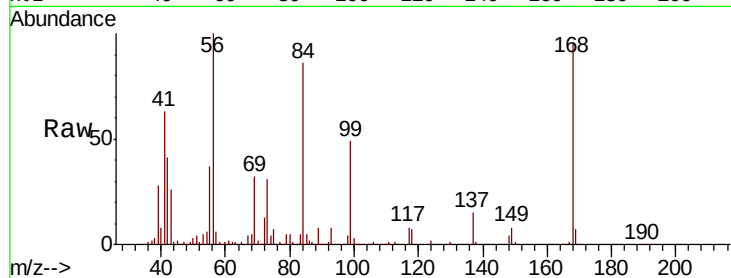
Tot Ion: 56 Resp: 950023

Ion Ratio Lower Upper

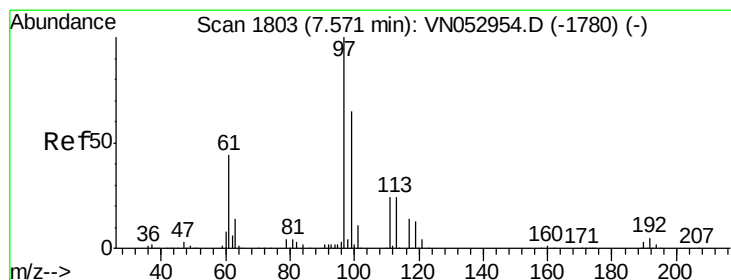
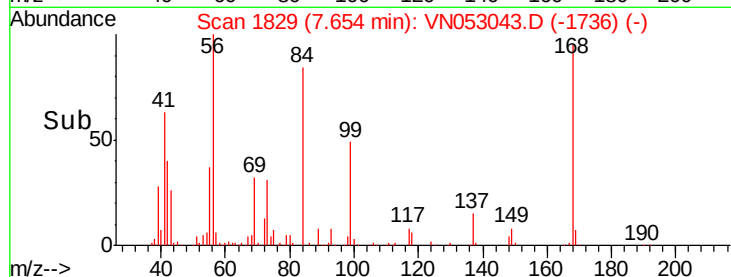
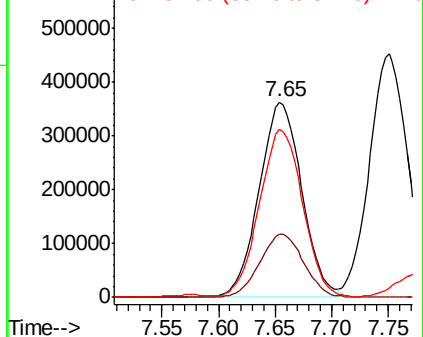
56 100

69 32.4 26.6 39.8

84 84.9 68.4 102.6



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



#32

1,1,1-Trichloroethane

Concen: 48.132 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

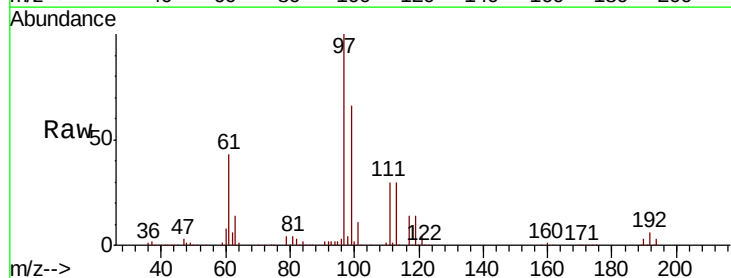
Tgt Ion: 97 Resp: 815019

Ion Ratio Lower Upper

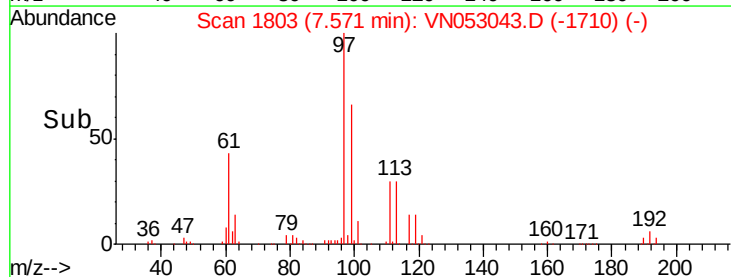
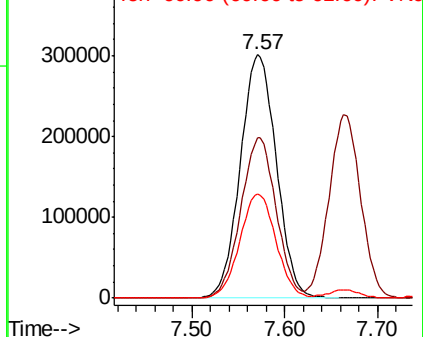
97 100

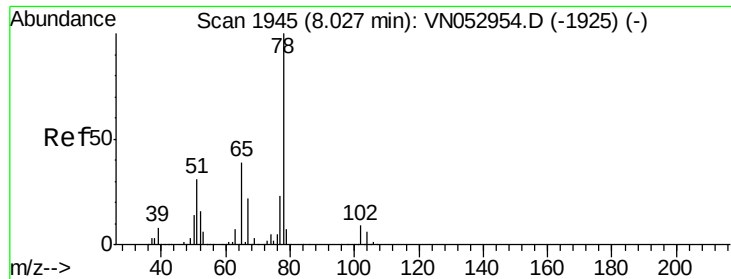
99 64.6 51.1 76.7

61 42.9 35.0 52.6



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

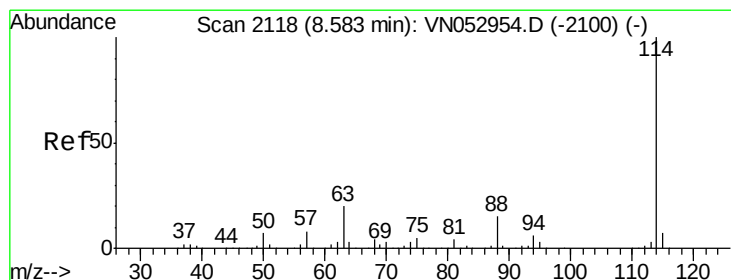
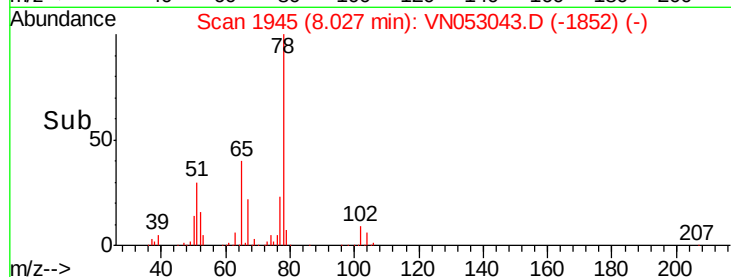
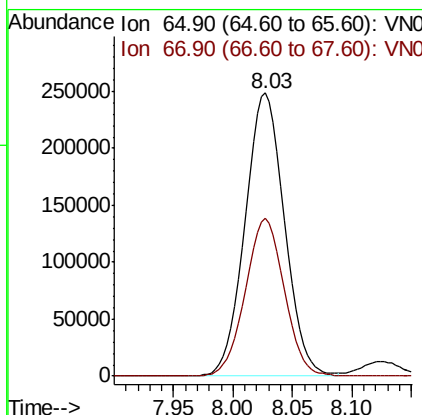
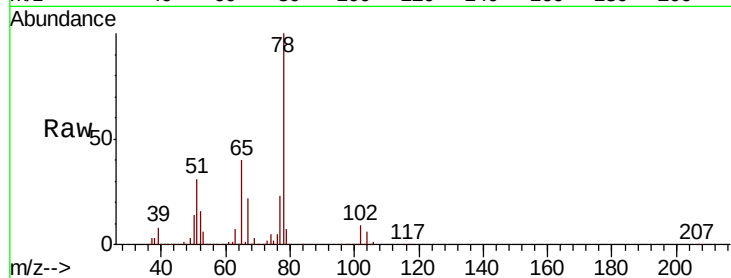




#33
 1,2-Dichloroethane-d4
 Concen: 48.132 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

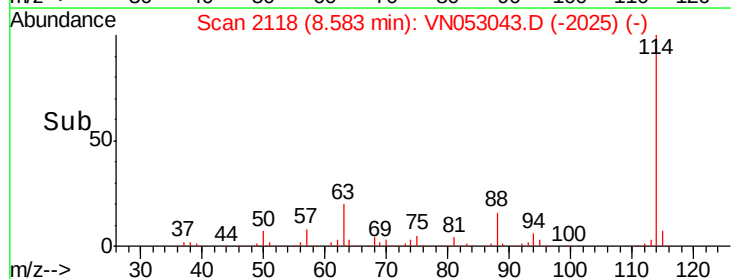
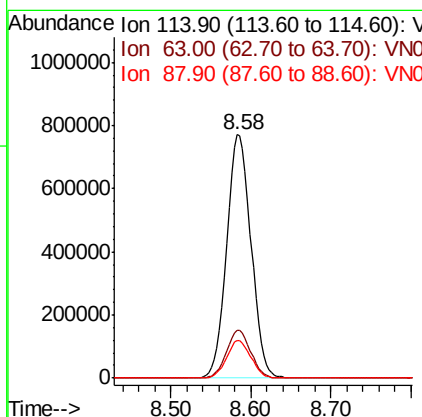
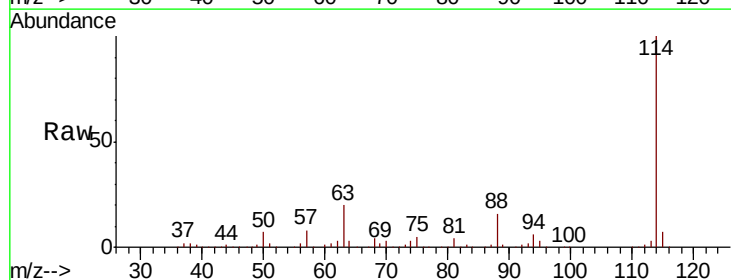
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

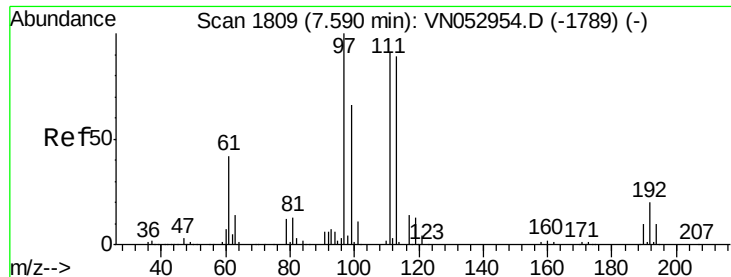
Tot Ion: 65 Resp: 570369
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 114 Resp: 1600267
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 0.0 31.0

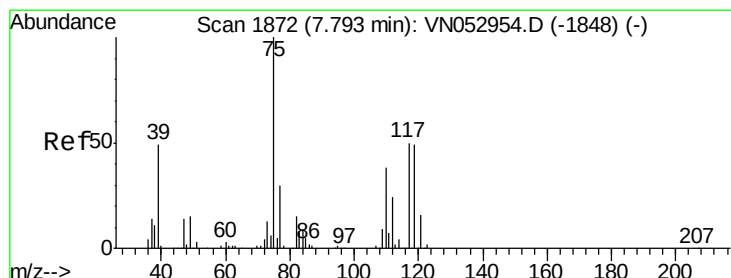
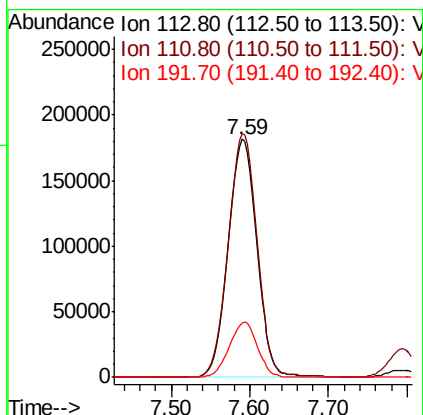
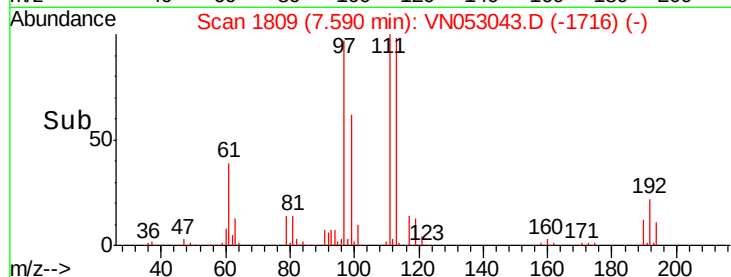
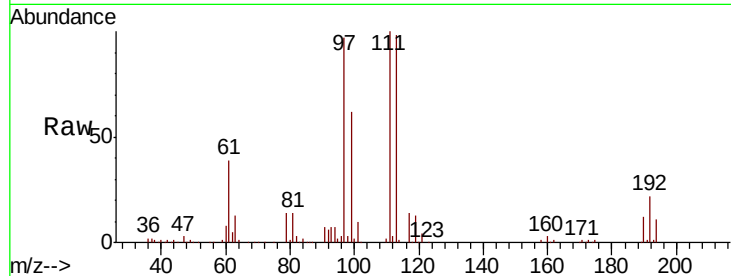




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

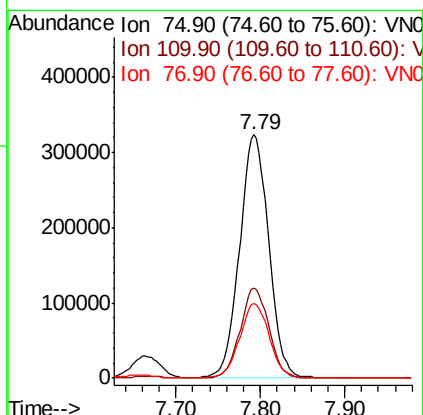
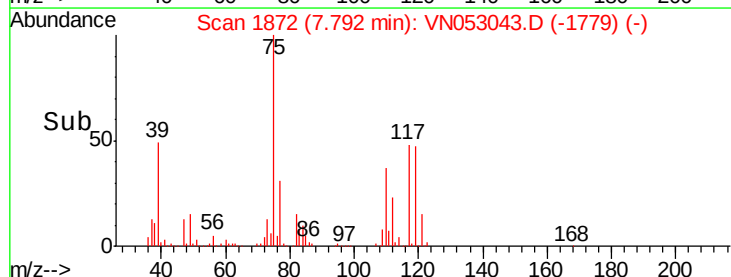
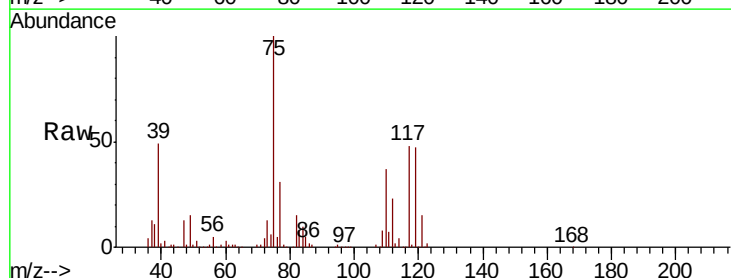
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

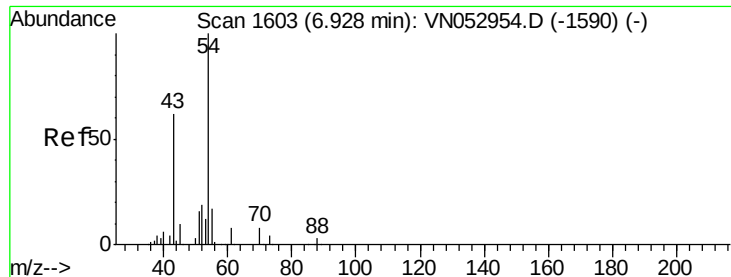
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.7	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 50.574 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	31.4	24.9	37.3

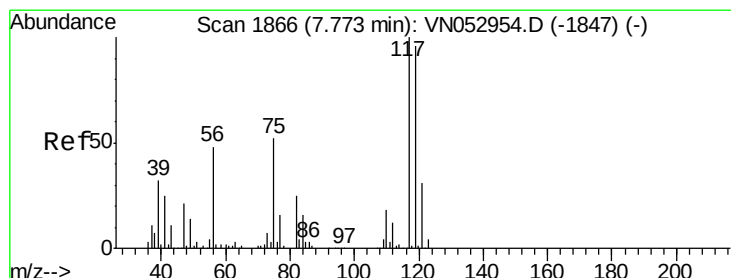
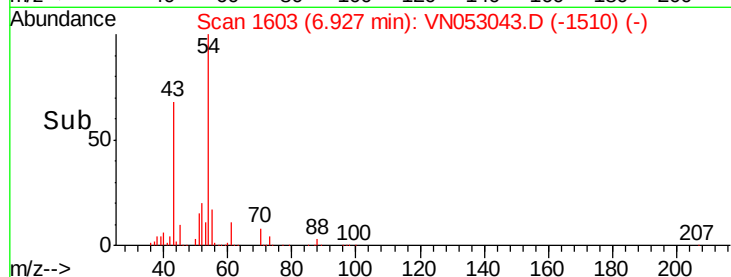
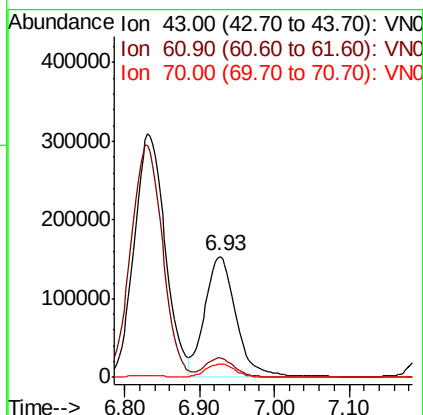
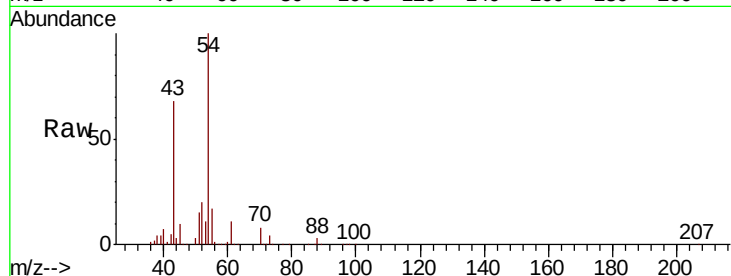




#37
Ethyl Acetate
Concen: 51.600 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

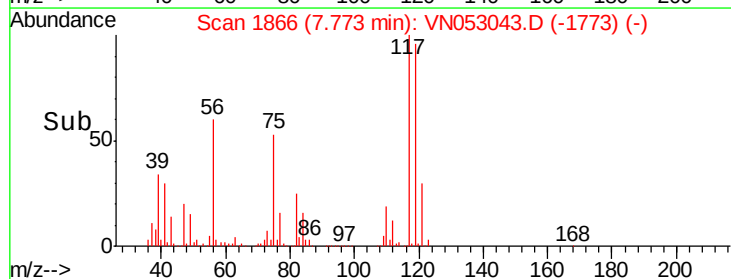
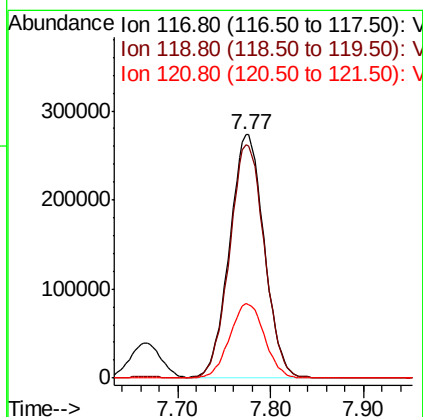
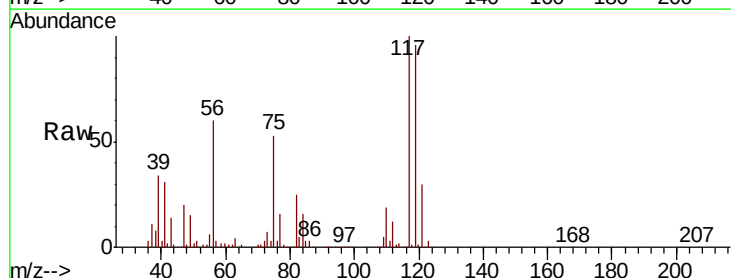
Instrument :
MSVOA_N
ClientSampled :
BFB

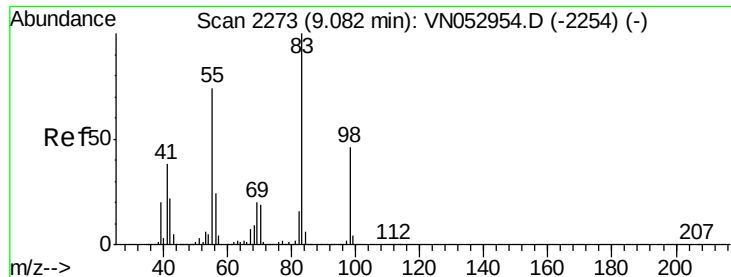
Tot Ion: 43 Resp: 442447
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.093 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 117 Resp: 705237
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7
121 30.5 24.9 37.3

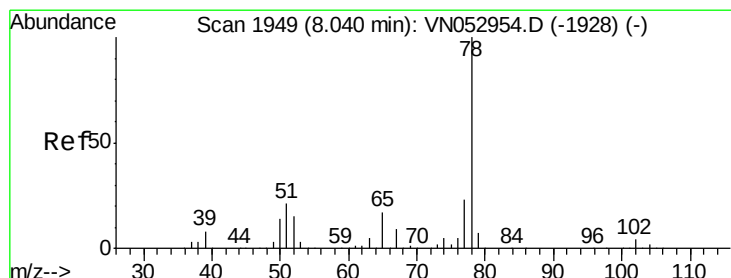
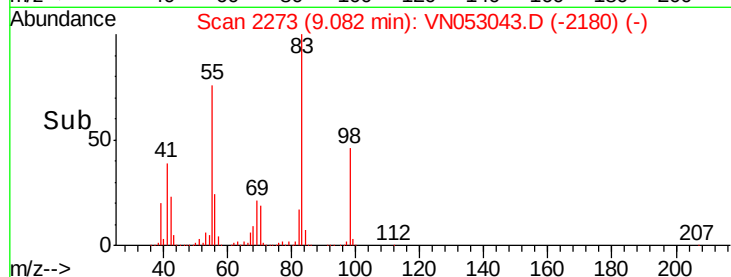
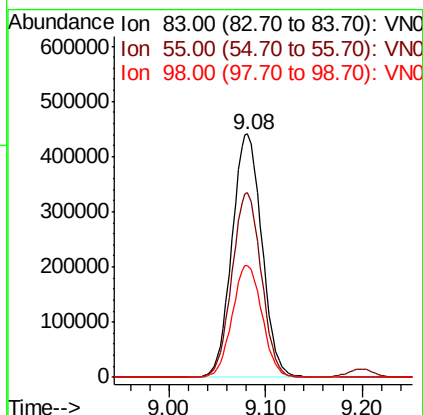
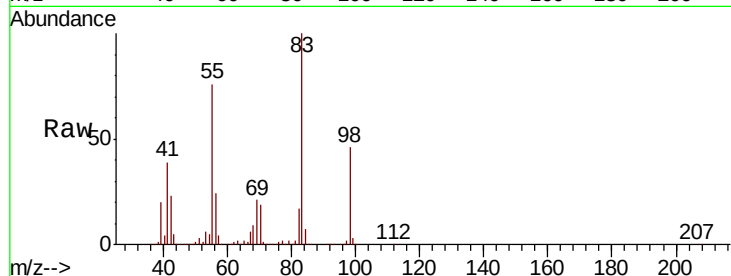




#39
Methylvlcyclohexane
Concen: 50.654 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

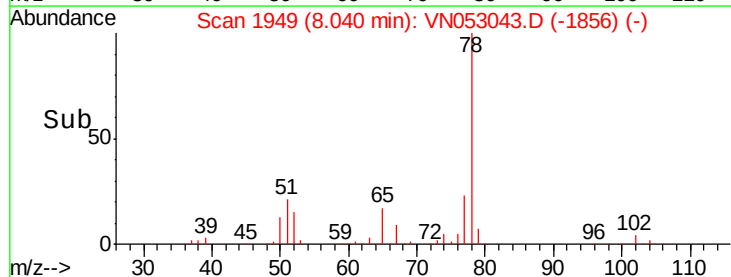
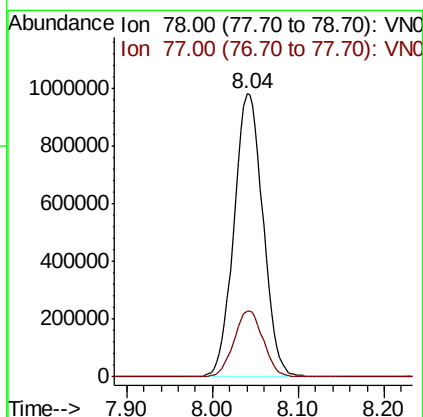
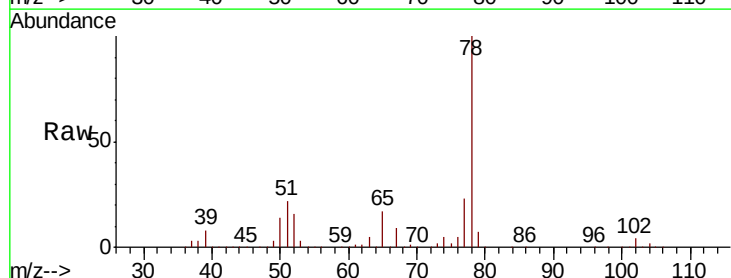
Instrument :
MSVOA_N
ClientSampleId :
BFB

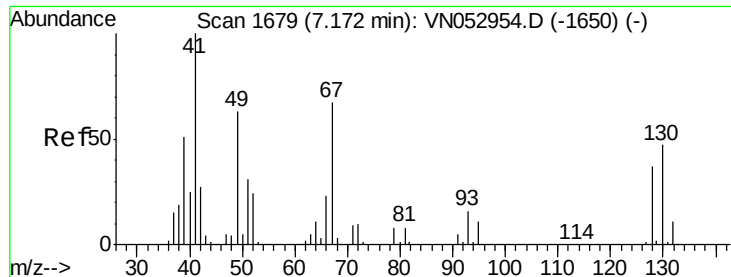
Tot Ion: 83 Resp: 945157
Ion Ratio Lower Upper
83 100
55 75.8 61.3 91.9
98 46.1 37.0 55.4



#40
Benzene
Concen: 50.404 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 78 Resp: 2302841
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7

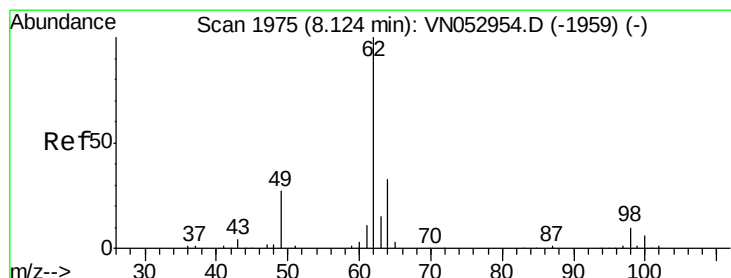
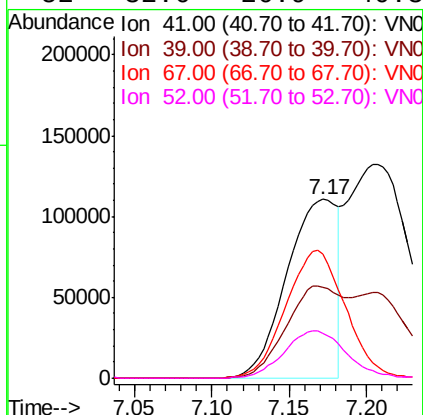
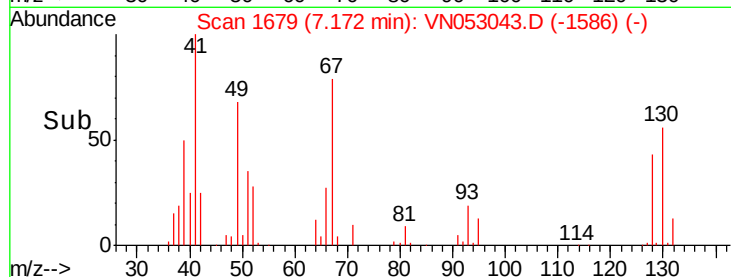
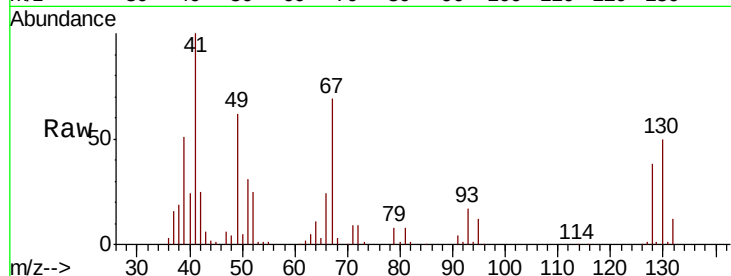




#41
Methacrylonitrile
Concen: 50.345 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

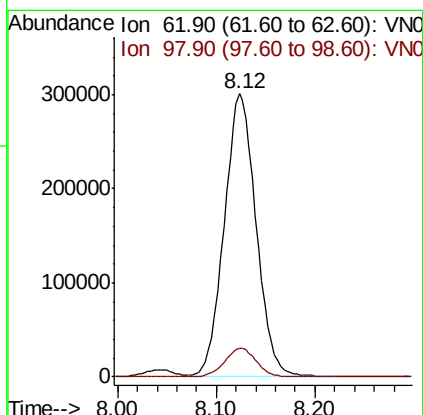
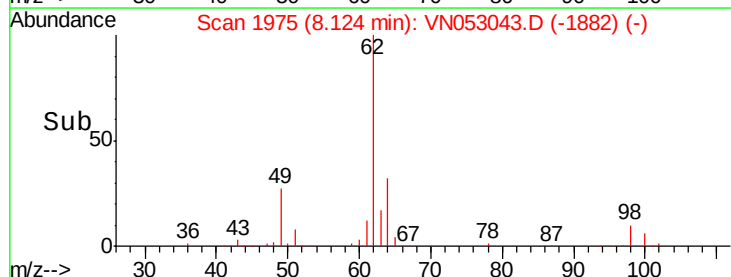
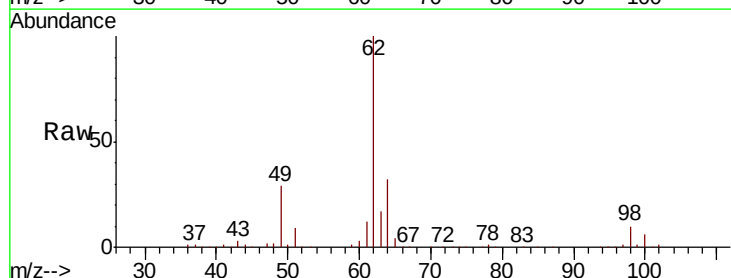
Instrument :
MSVOA_N
ClientSampled :
BFB

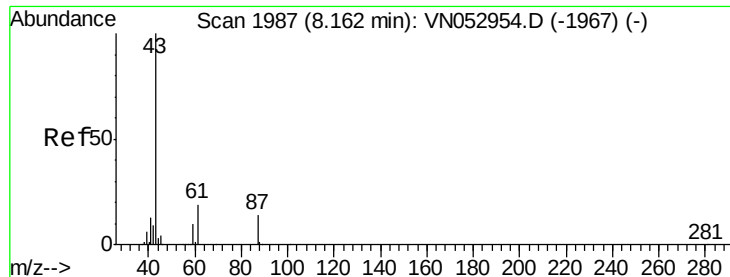
Tot Ion: 41 Resp: 249423
Ion Ratio Lower Upper
41 100
39 62.7 48.0 72.0
67 84.9 70.3 105.5
52 32.6 26.9 40.3



#42
1,2-Dichloroethane
Concen: 50.149 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 62 Resp: 676853
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 49.146 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

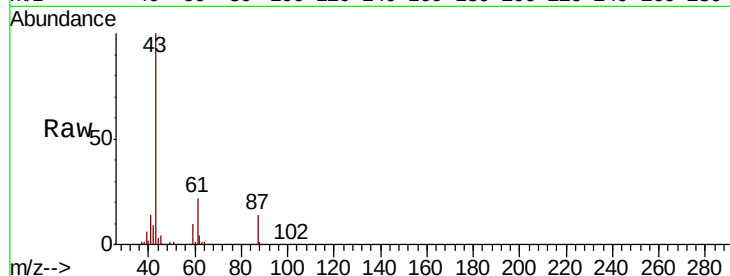
Tot Ion: 43 Resp: 815788

Ion Ratio Lower Upper

43 100

61 30.4 22.9 34.3

87 13.6 10.6 15.8

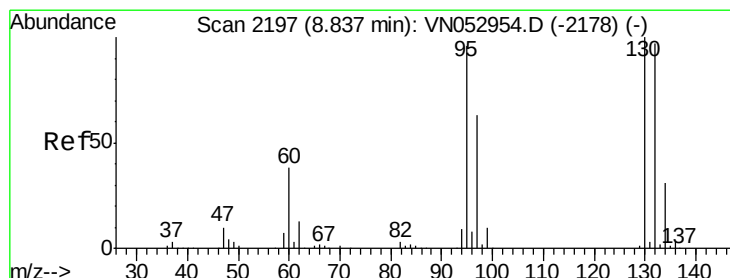
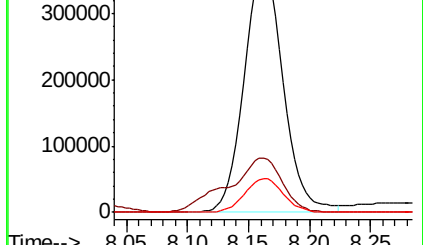
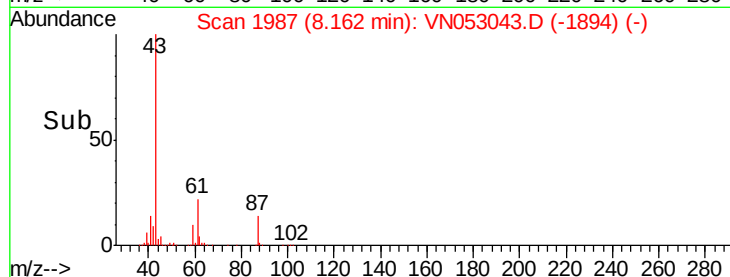


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 49.605 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053043.D

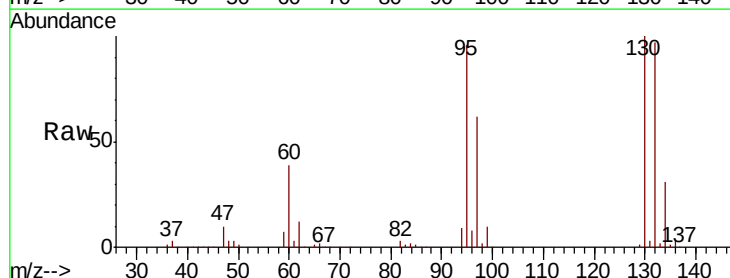
Acq: 20 Dec 2018 9:08

Tgt Ion:130 Resp: 655516

Ion Ratio Lower Upper

130 100

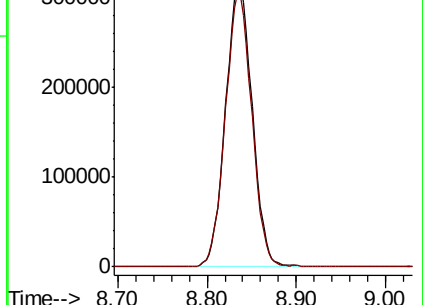
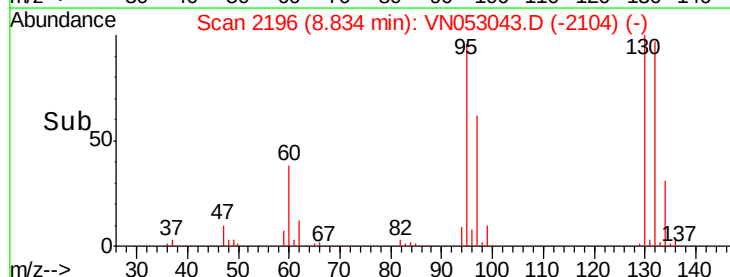
95 95.9 0.0 197.8

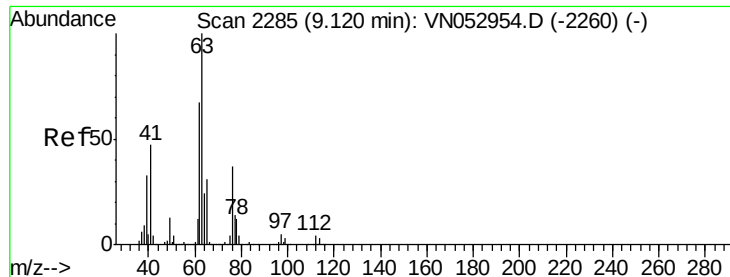


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

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

Time-->





#45

1,2-Dichloropropane

Concen: 51.226 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

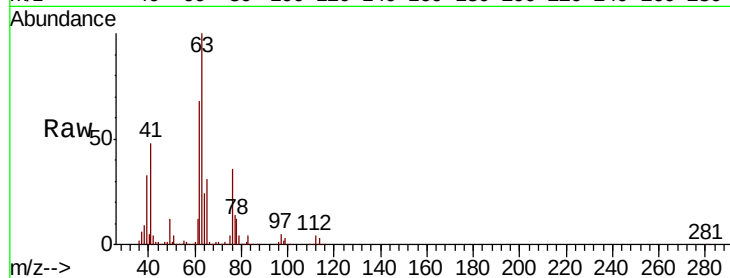
BFB

Tot Ion: 63 Resp: 609600

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN053043.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053043.D (-2192) (-)

9.12

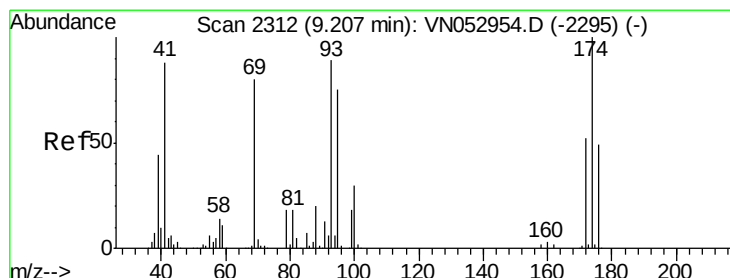
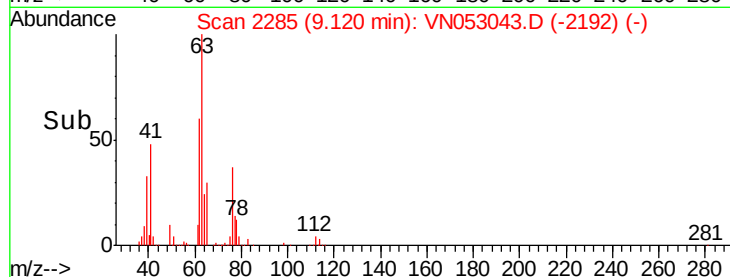
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 49.828 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

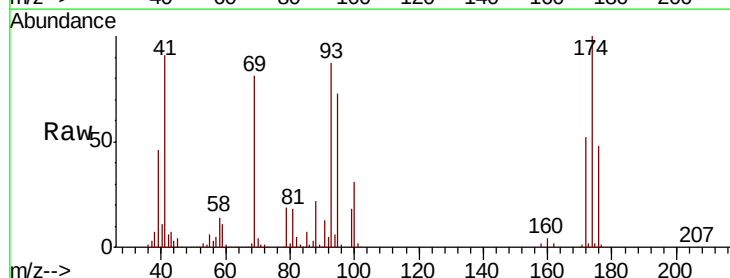
Tgt Ion: 93 Resp: 345428

Ion Ratio Lower Upper

93 100

95 83.2 67.8 101.6

174 114.8 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN053043.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053043.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053043.D (-2219) (-)

9.21

250000

200000

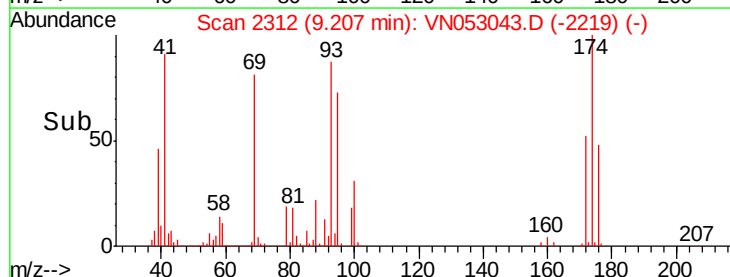
150000

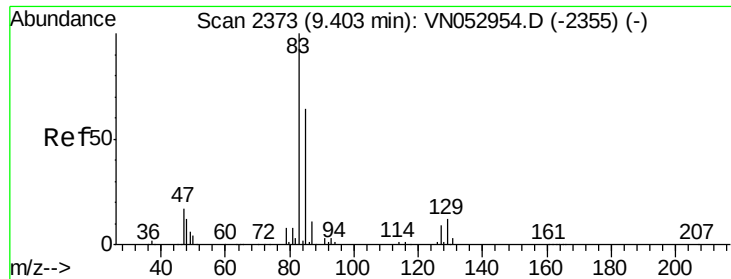
100000

50000

0

Time-->

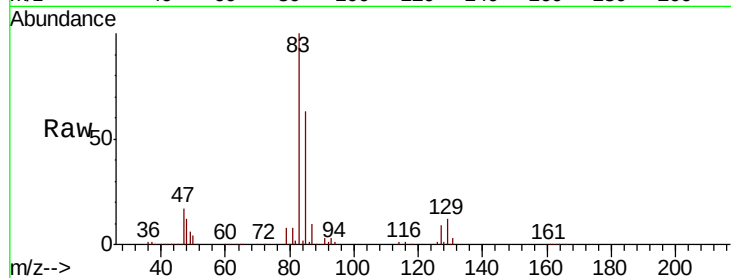




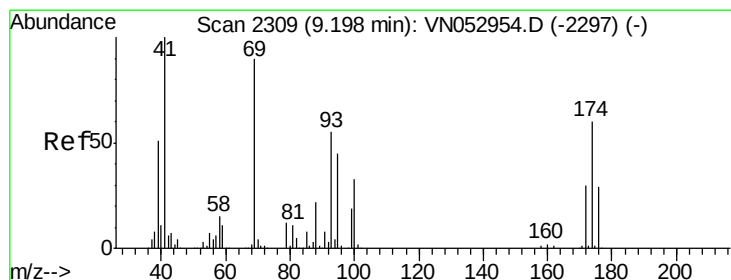
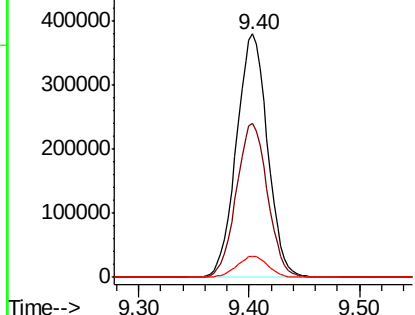
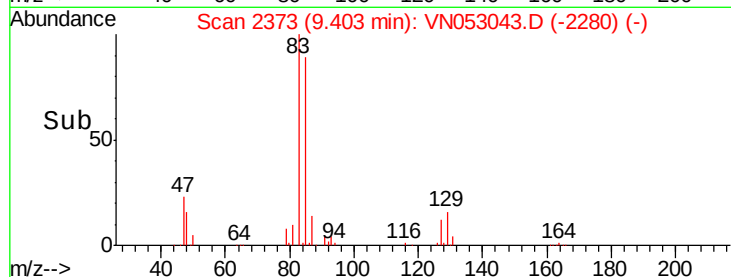
#47
Bromodichloromethane
Concen: 50.376 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion	83	Resp	742337
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.6	77.4
127	8.7	7.1	10.7

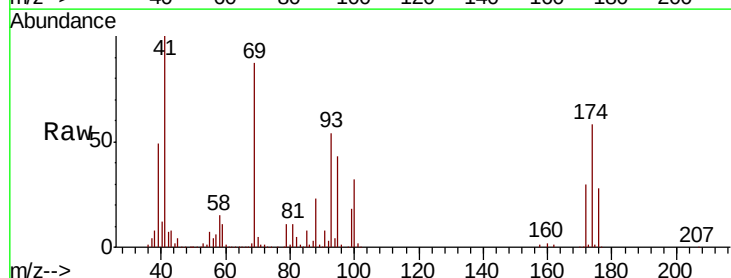


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

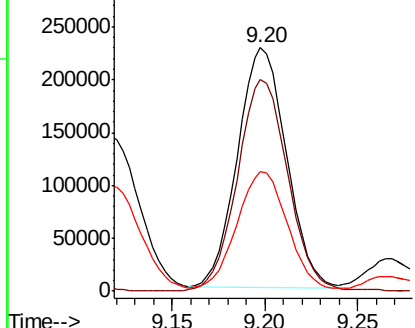
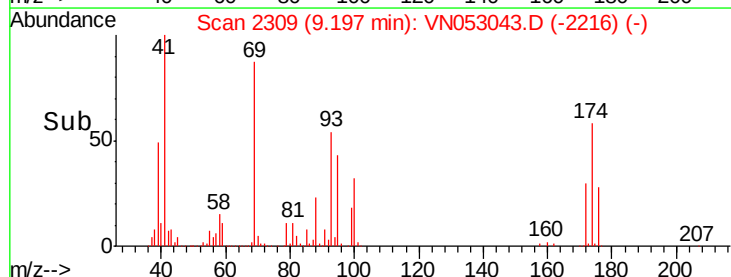


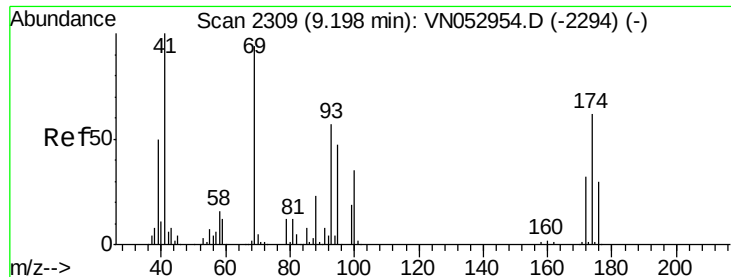
#48
Methyl methacrylate
Concen: 49.914 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	41	Resp	415313
Ion Ratio	Lower	Upper	
41	100		
69	90.9	72.2	108.2
39	52.2	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

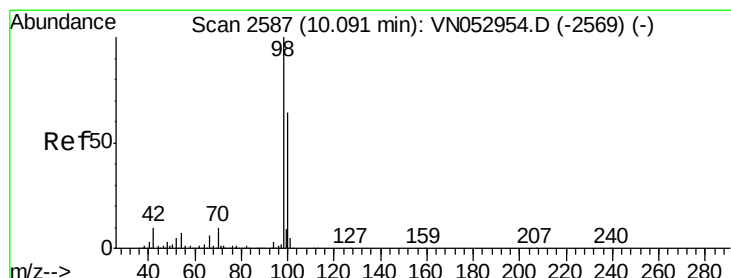
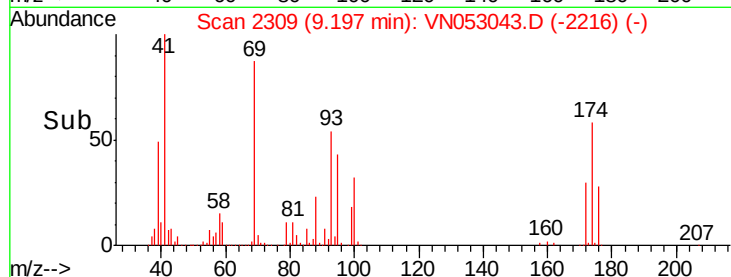
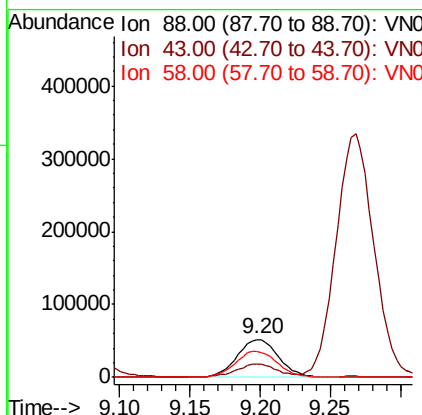
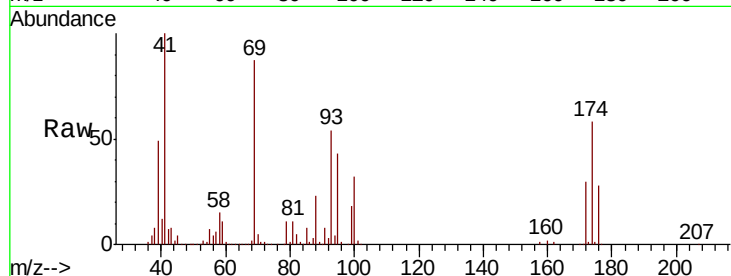




#49
1,4-Dioxane
Concen: 1023.999 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

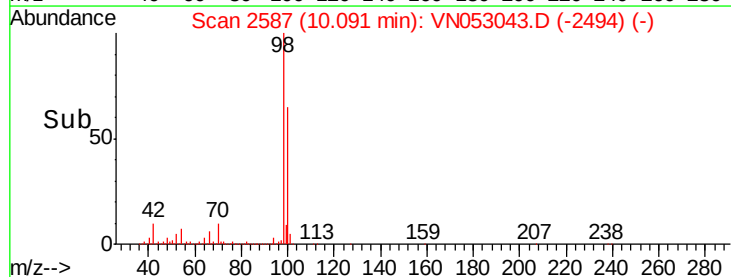
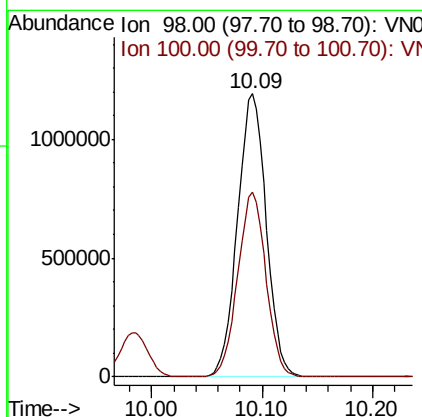
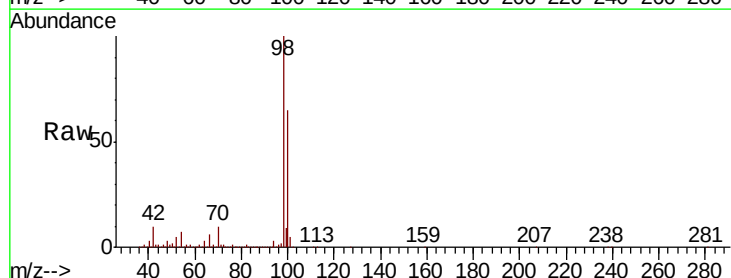
Instrument :
MSVOA_N
ClientSampled :
BFB

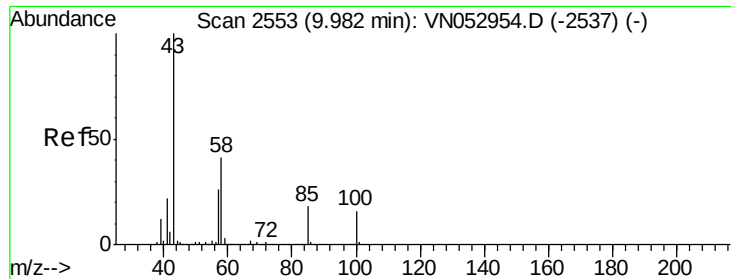
Tot Ion: 88 Resp: 107777
Ion Ratio Lower Upper
88 100
43 31.9 26.6 40.0
58 68.7 58.4 87.6



#50
Toluene-d8
Concen: 1023.999 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 98 Resp: 2147861
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

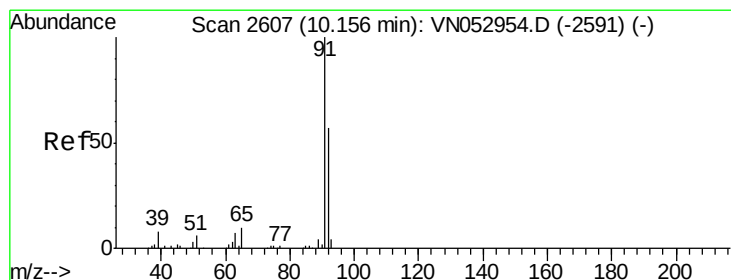
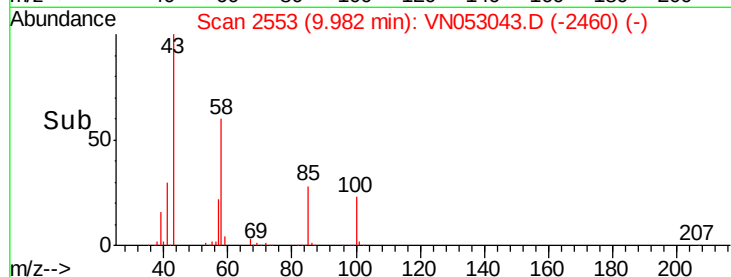
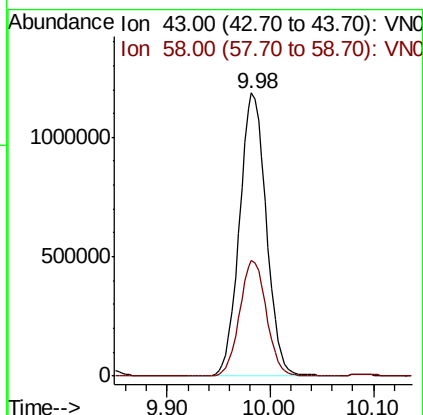
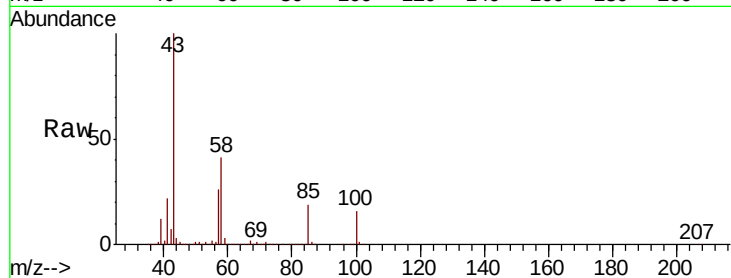




#51
 4-Methyl-2-Pentanone
 Concen: 257.862 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

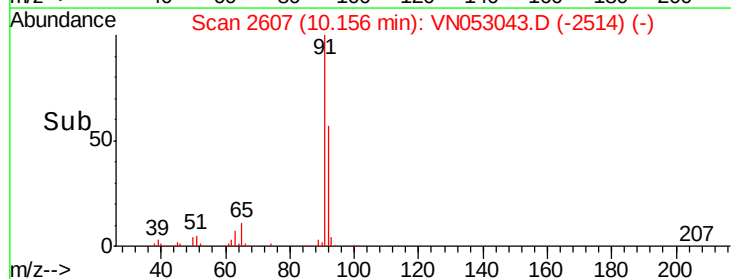
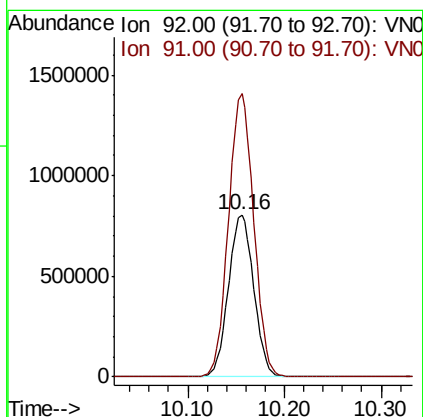
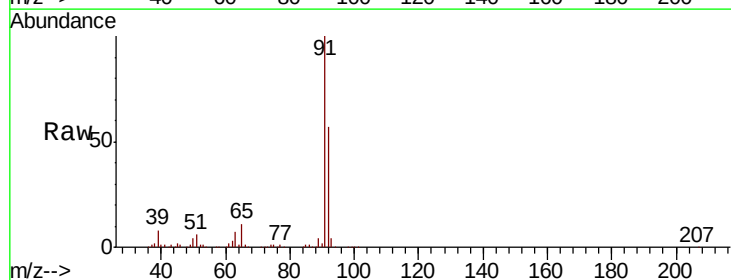
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

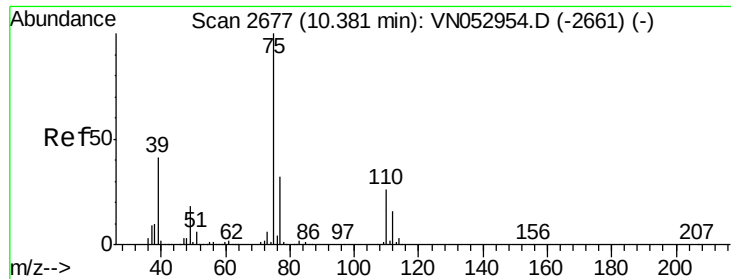
Tot Ion: 43 Resp: 2141240
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4



#52
 Toluene
 Concen: 51.584 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 92 Resp: 1460763
 Ion Ratio Lower Upper
 92 100
 91 174.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 49.615 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

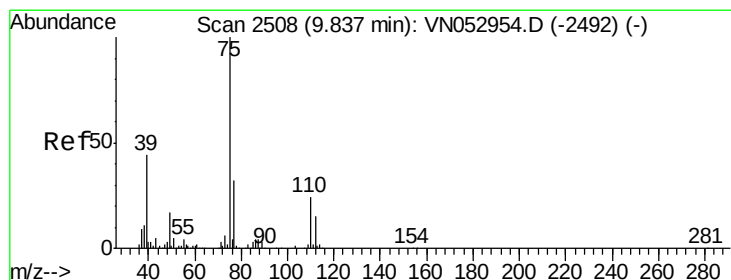
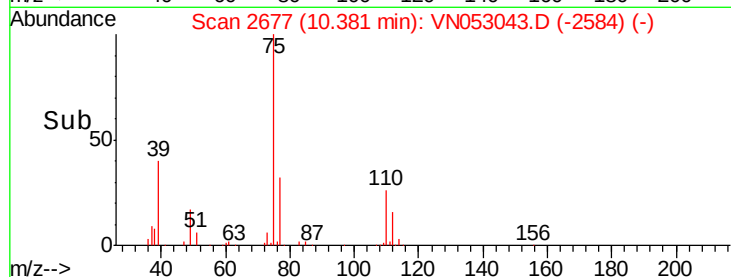
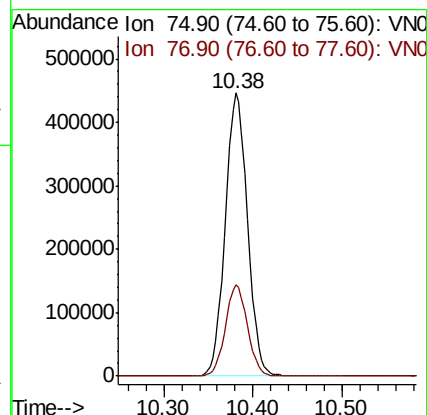
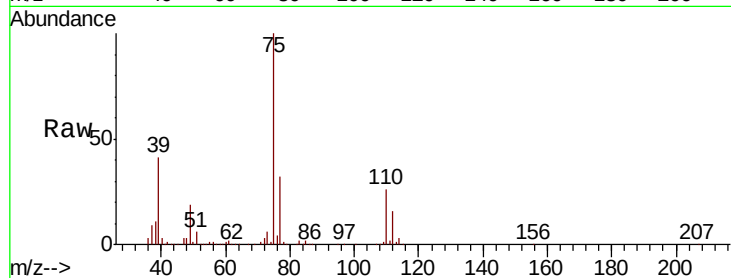
BFB

Tot Ion: 75 Resp: 768814

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 50.965 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

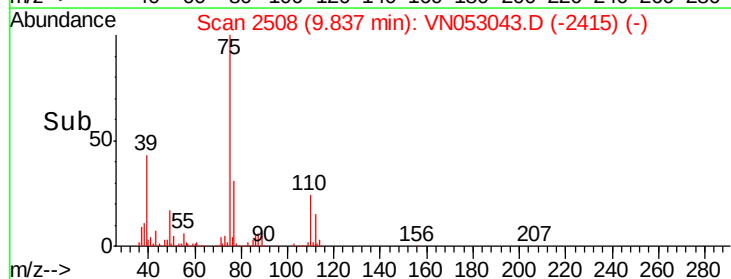
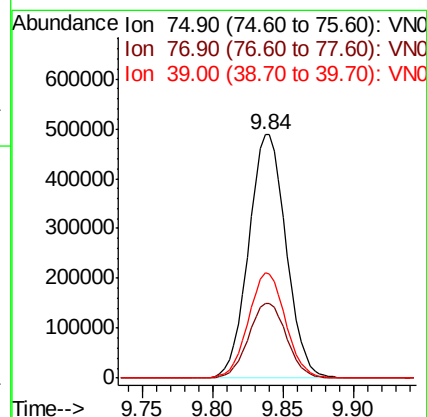
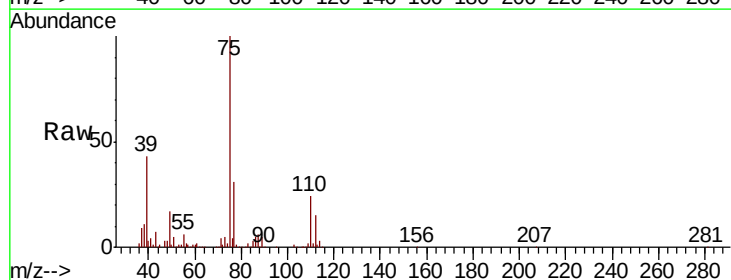
Tgt Ion: 75 Resp: 906470

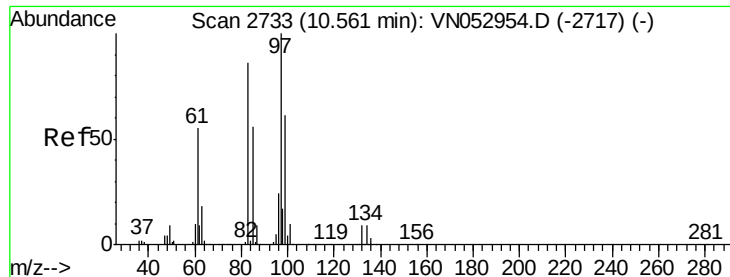
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.8

39 43.1 34.8 52.2

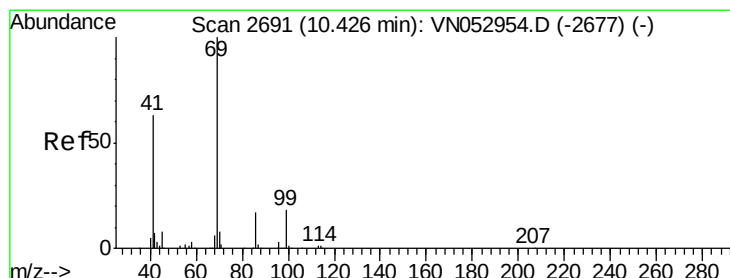
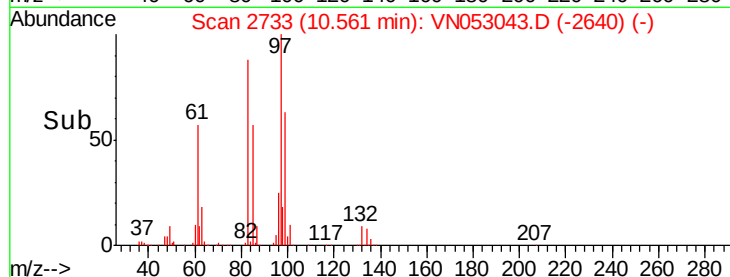
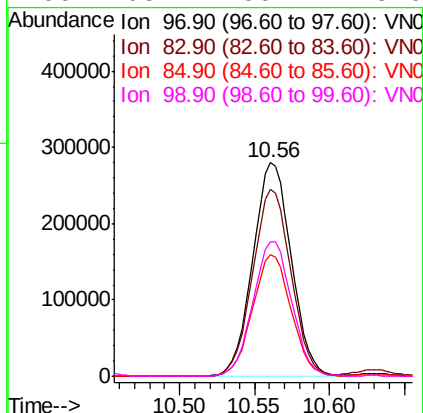
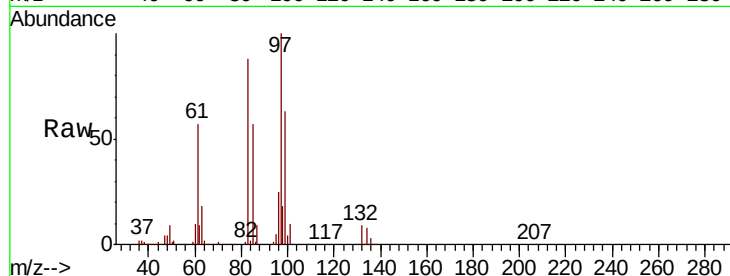




#55
 1,1,2-Trichloroethane
 Concen: 50.710 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

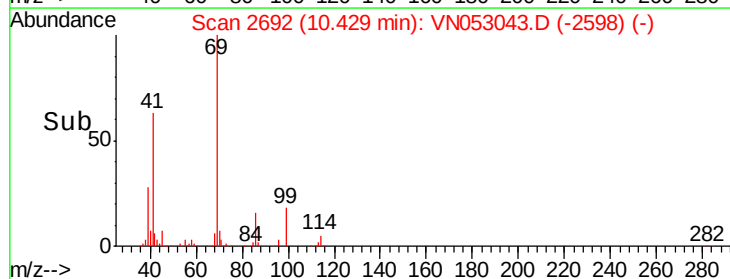
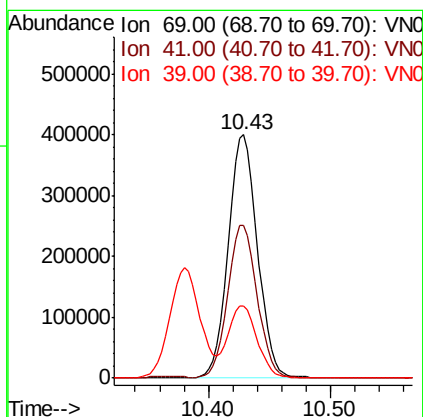
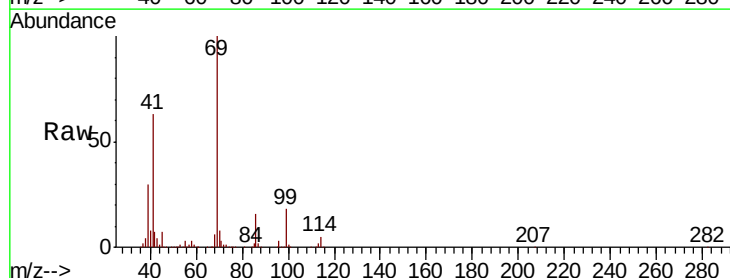
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

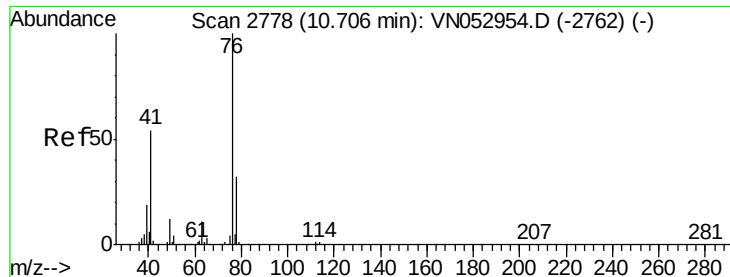
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.9	106.3
85	57.0	45.4	68.2
99	63.2	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.118 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	29.9	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.005 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

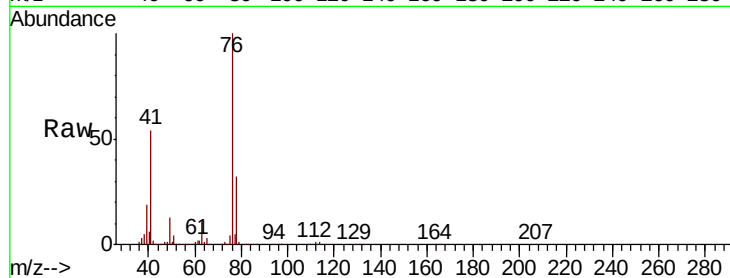
BFB

Tot Ion: 76 Resp: 864093

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

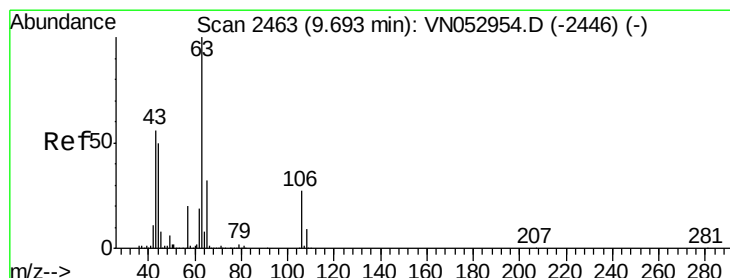
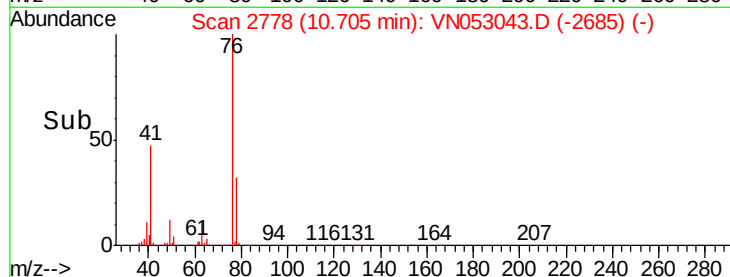
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 254.465 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053043.D

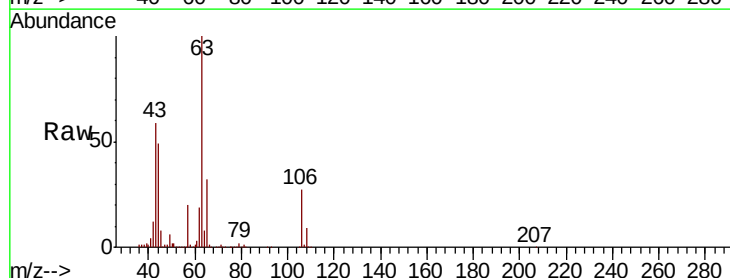
Acq: 20 Dec 2018 9:08

Tgt Ion: 63 Resp: 1826765

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1200000

1000000

800000

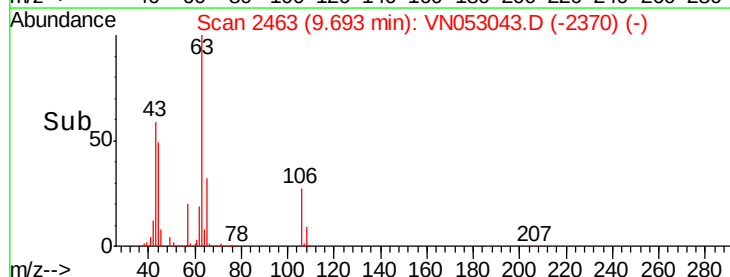
600000

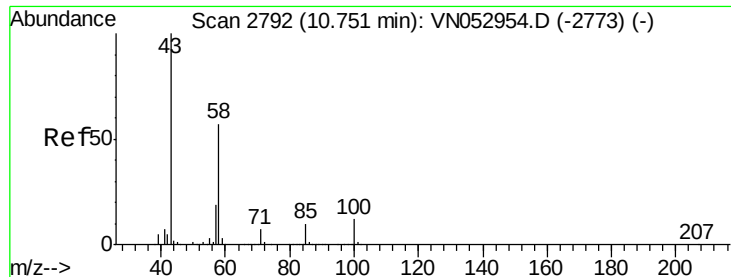
400000

200000

0

Time--> 9.60 9.70 9.80

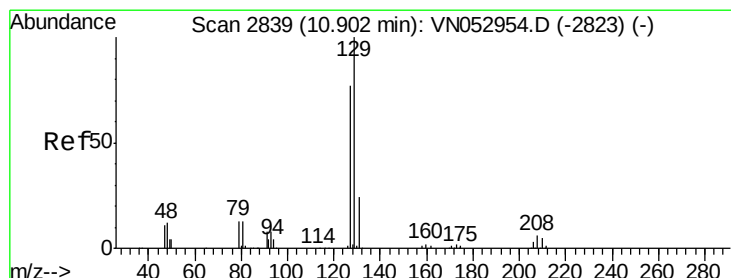
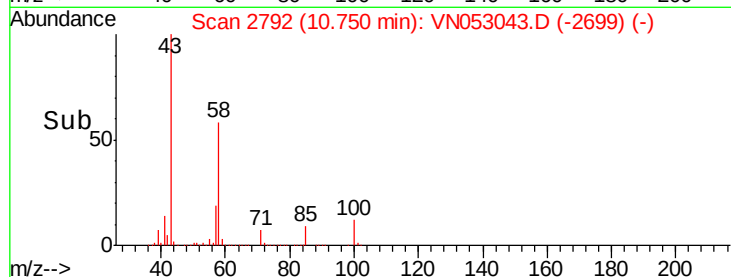
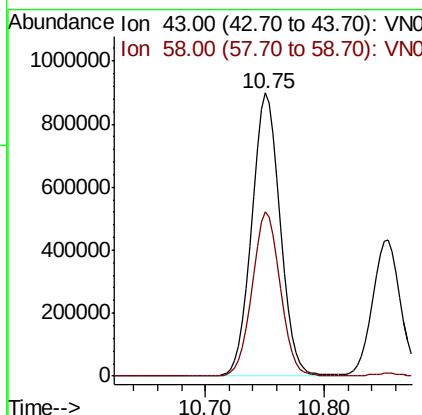
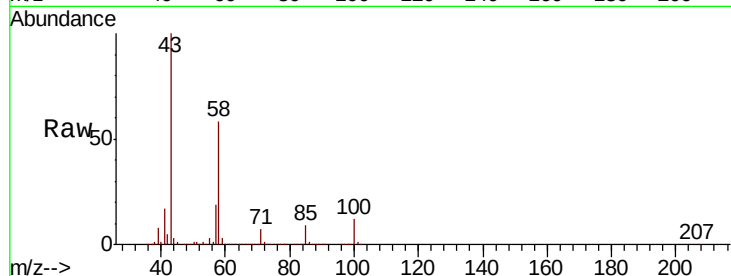




#59
2-Hexanone
Concen: 263.947 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

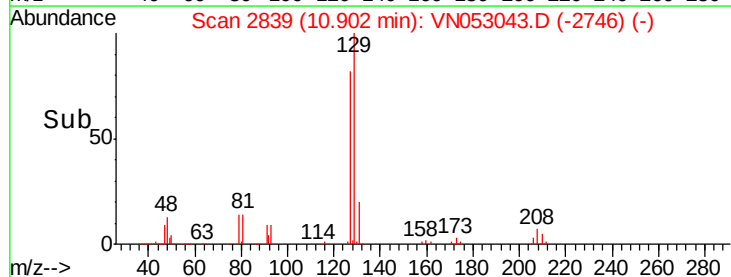
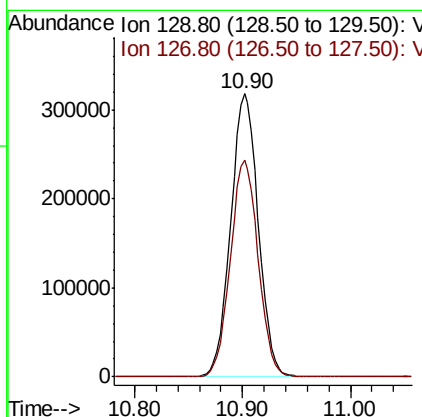
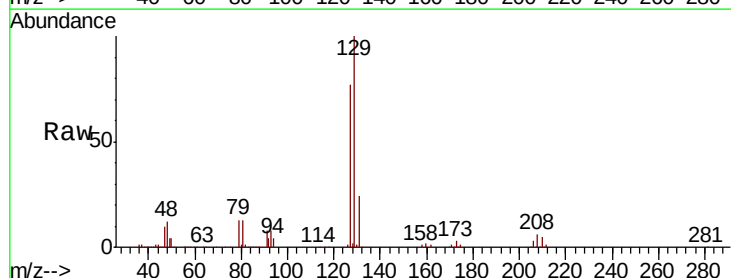
Instrument :
MSVOA_N
ClientSampled :
BFB

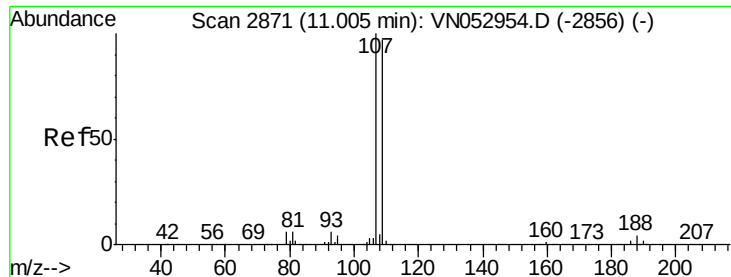
Tot Ion: 43 Resp: 1482913
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.3



#60
Dibromochloromethane
Concen: 50.107 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 129 Resp: 566641
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0

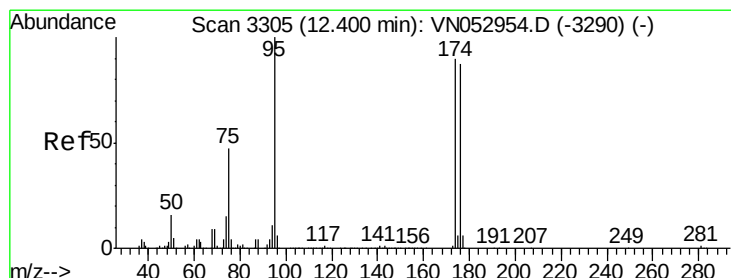
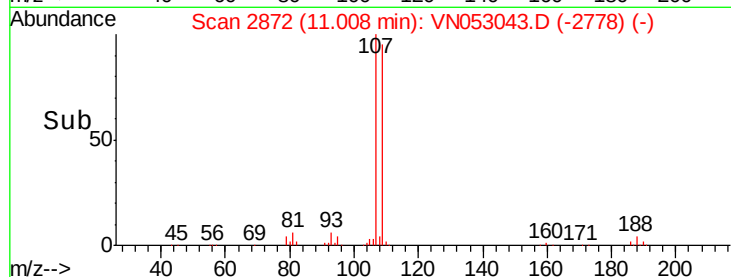
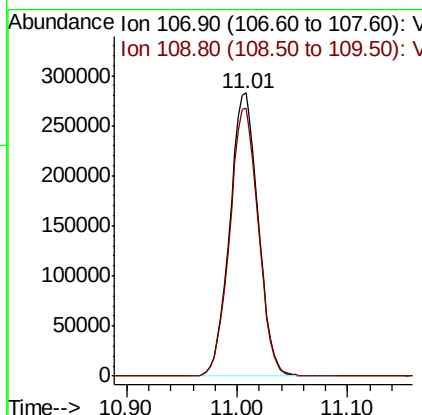
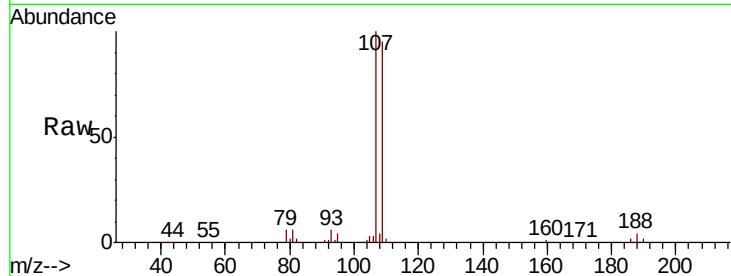




#61
 1,2-Dibromoethane
 Concen: 50.404 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

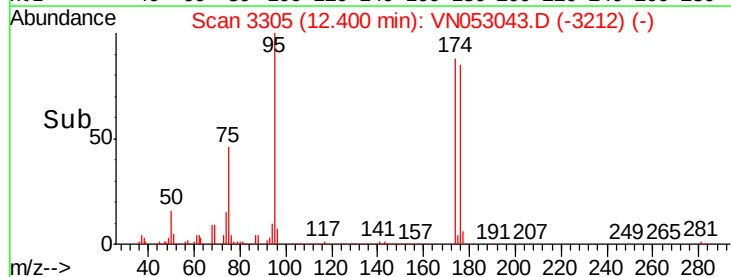
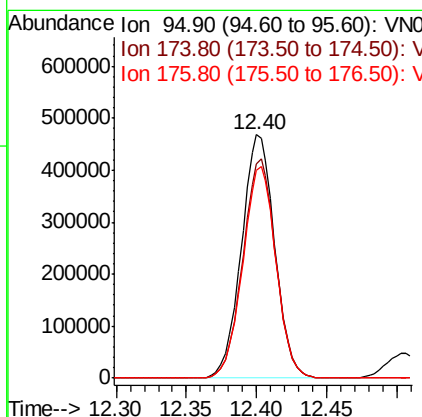
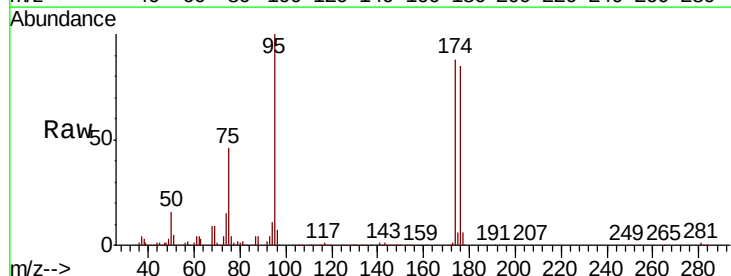
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

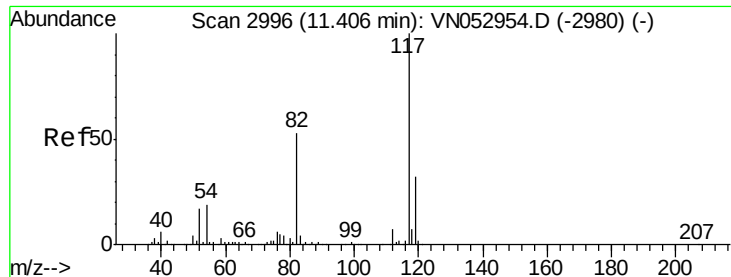
Tot Ion:107 Resp: 505735
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.404 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 95 Resp: 770792
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.8
 176 86.9 0.0 173.8

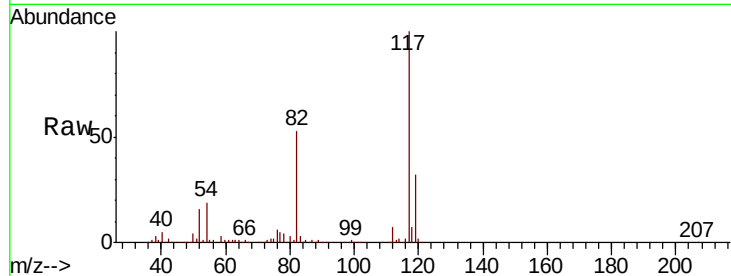




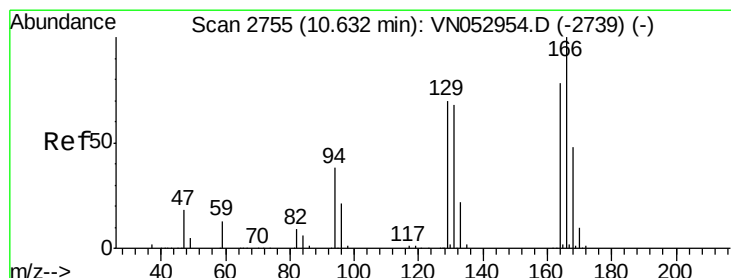
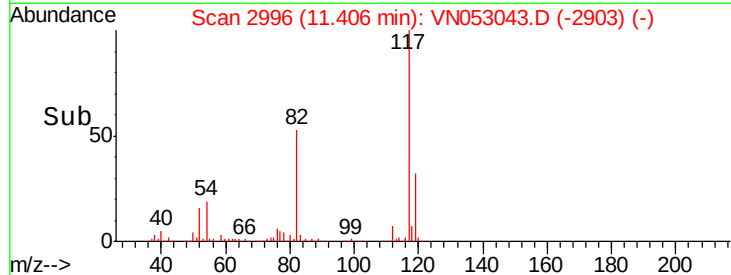
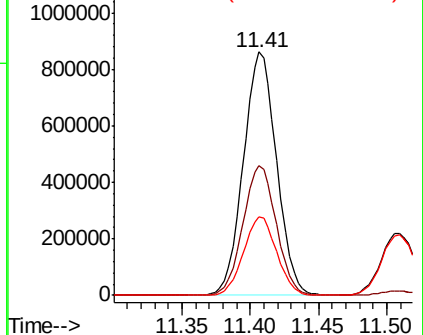
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:117 Resp: 1453014
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.3 25.5 38.3

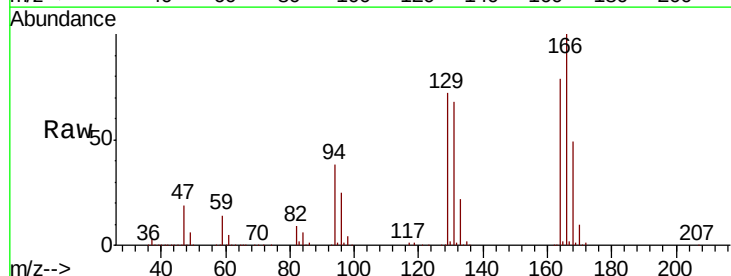


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

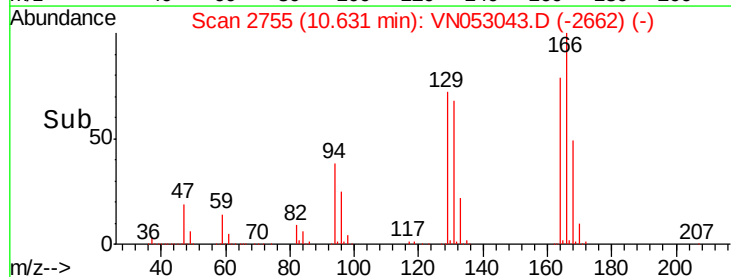
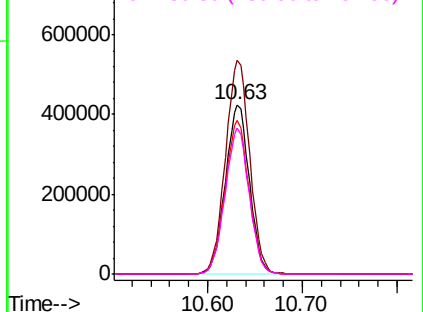


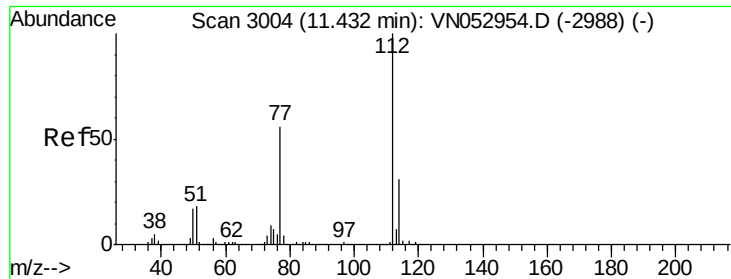
#64
Tetrachloroethene
Concen: 47.377 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:164 Resp: 745682
Ion Ratio Lower Upper
164 100
166 126.1 102.9 154.3
129 90.6 73.7 110.5
131 86.0 70.7 106.1



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

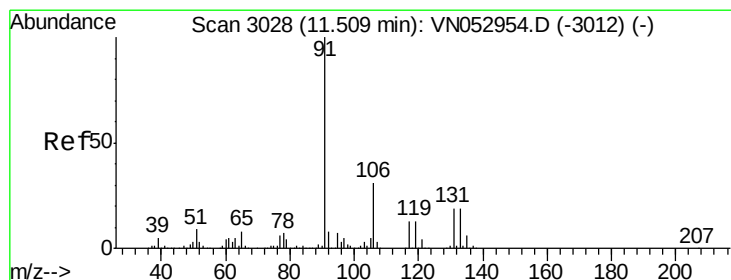
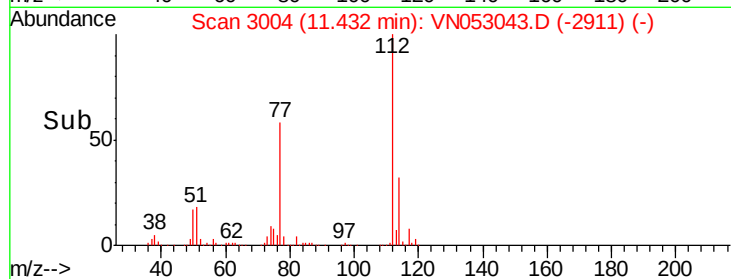
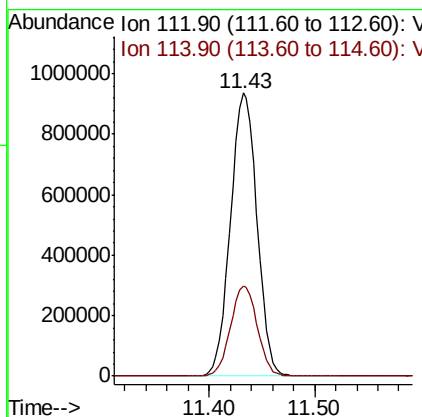
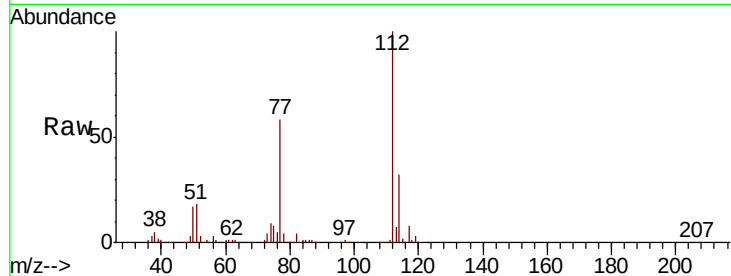




#65
Chlorobenzene
Concen: 50.570 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

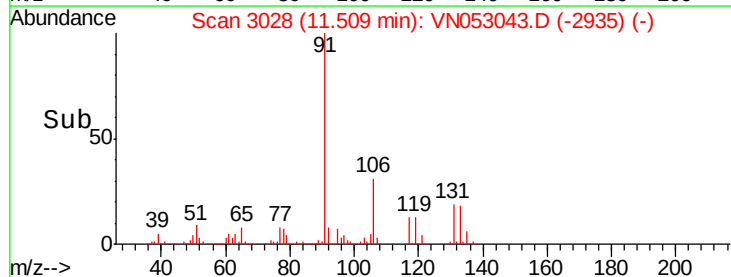
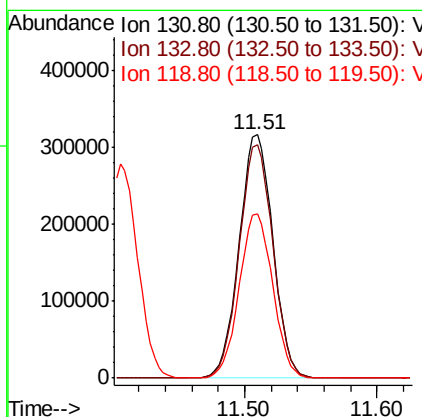
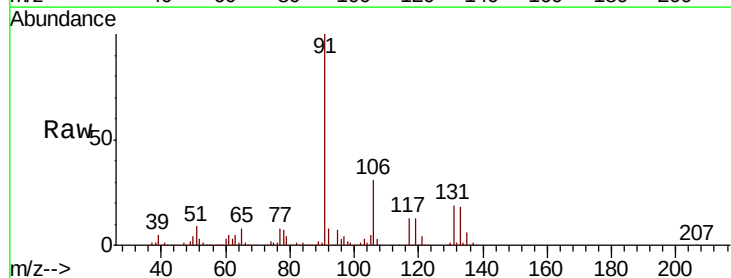
Instrument :
MSVOA_N
ClientSampled :
BFB

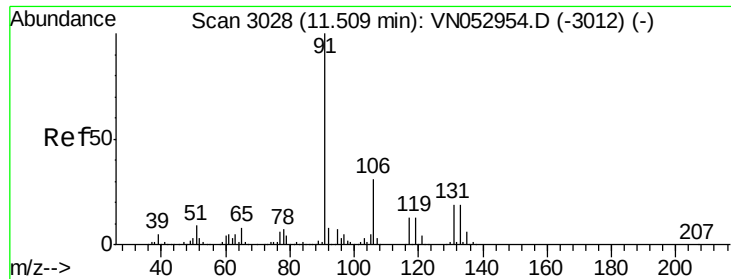
Tot Ion:112 Resp: 1628816
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.974 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:131 Resp: 559744
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 67.2 33.3 99.8

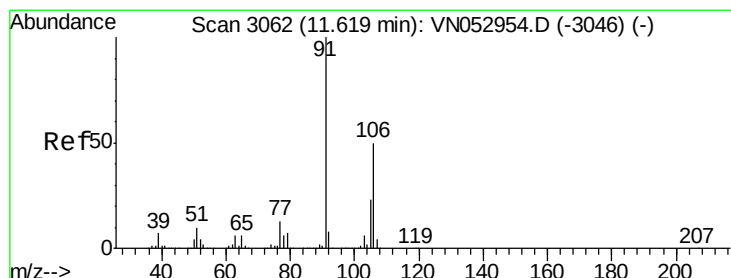
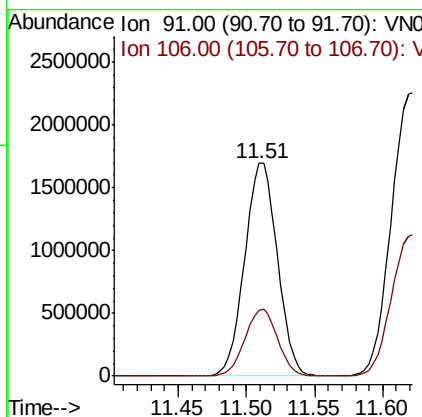
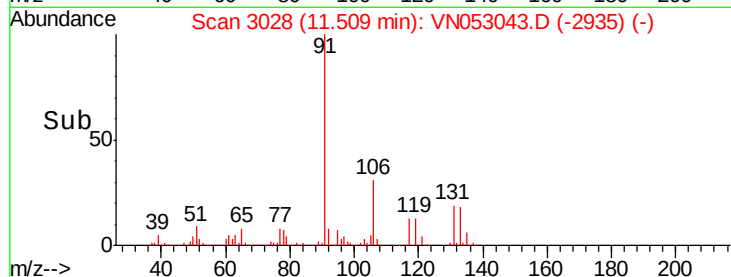
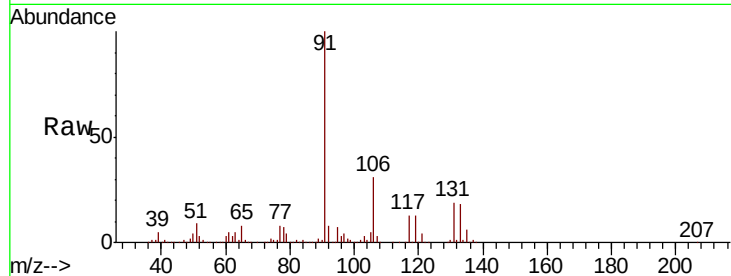




#67
Ethyl Benzene
Concen: 51.147 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

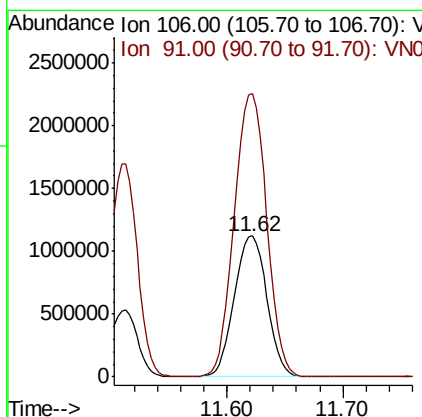
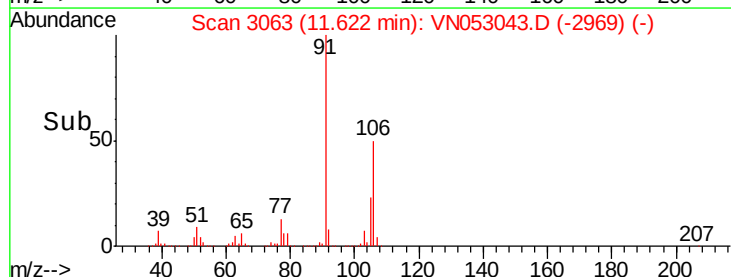
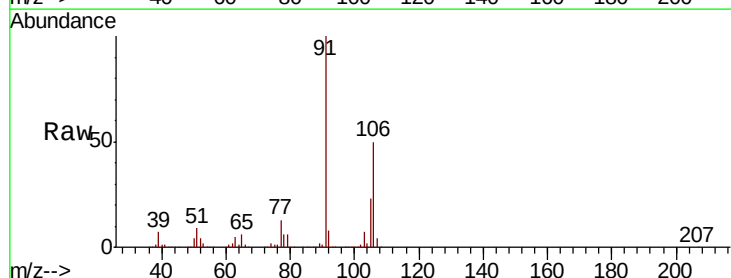
Instrument :
MSVOA_N
ClientSampled :
BFB

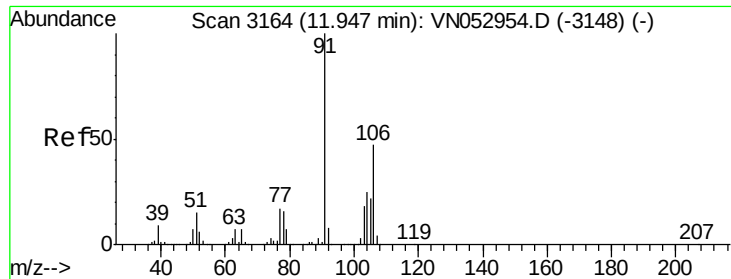
Tot Ion: 91 Resp: 2833110
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 103.562 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 106 Resp: 2180756
Ion Ratio Lower Upper
106 100
91 201.2 162.2 243.4

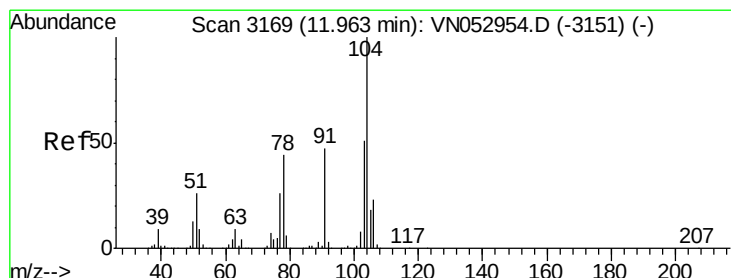
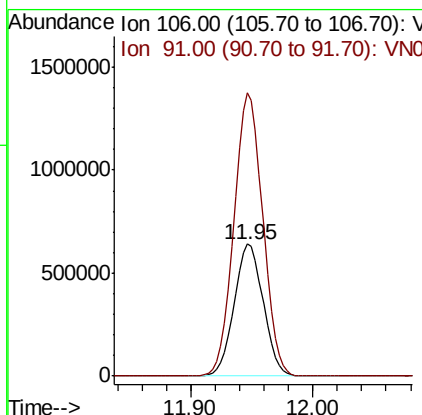
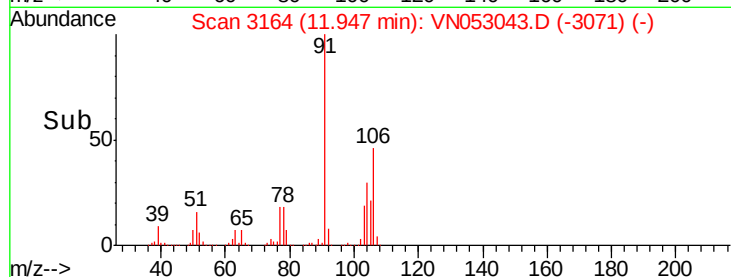
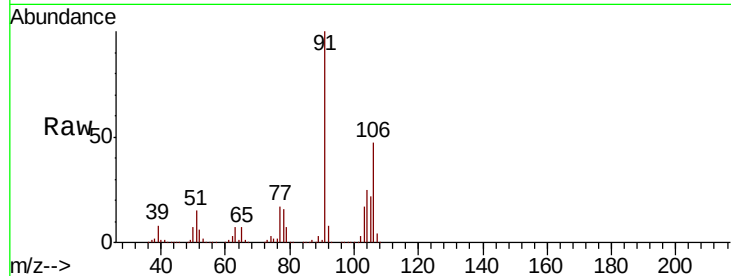




#69
o-Xylene
Concen: 52.295 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

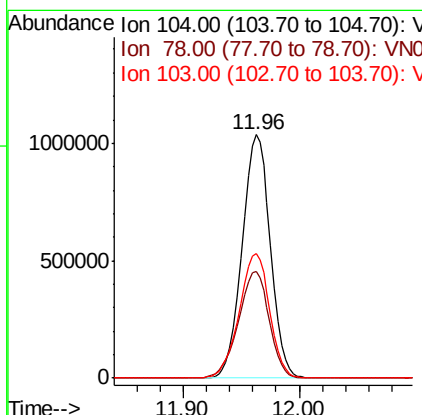
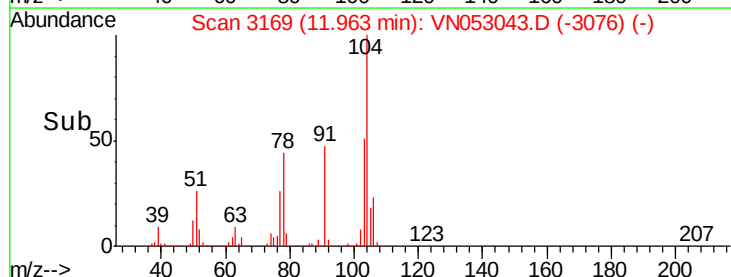
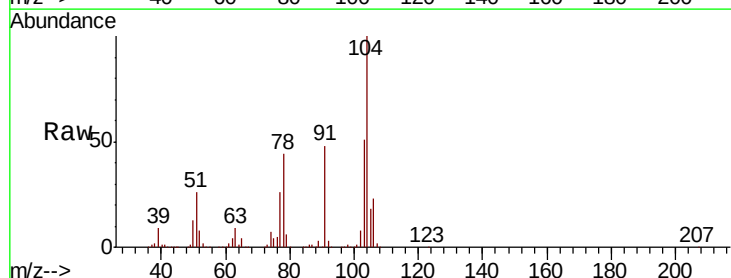
Instrument :
MSVOA_N
ClientSampled :
BFB

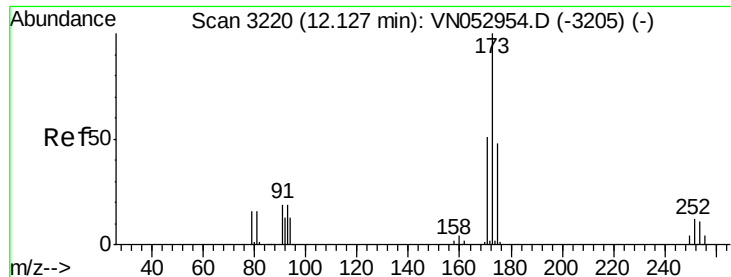
Tot Ion:106 Resp: 1056697
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8



#70
Styrene
Concen: 53.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:104 Resp: 1748273
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.3 44.3 66.5





#71

Bromoform

Concen: 48.071 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

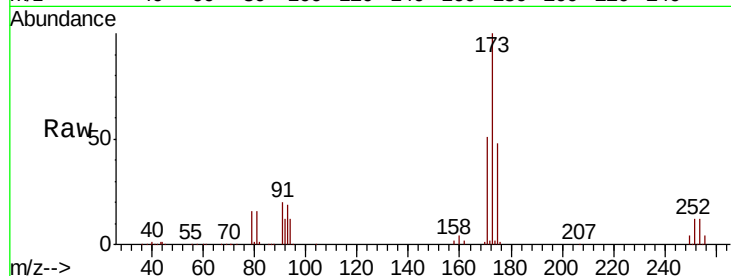
Tot Ion:173 Resp: 388967

Ion Ratio Lower Upper

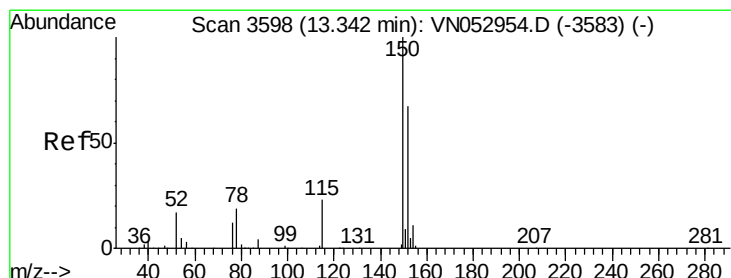
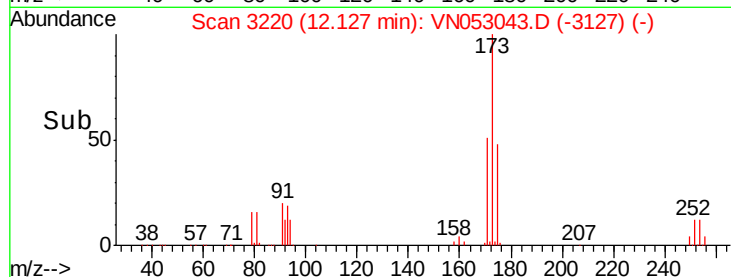
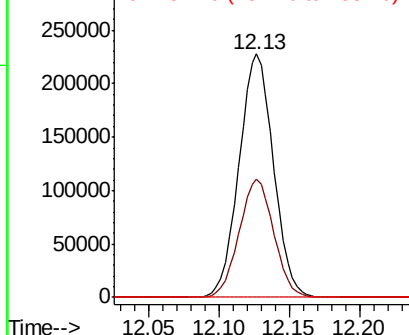
173 100

175 48.8 24.3 72.9

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

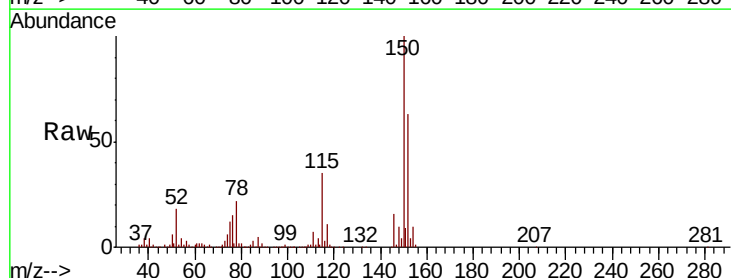
Tgt Ion:152 Resp: 718052

Ion Ratio Lower Upper

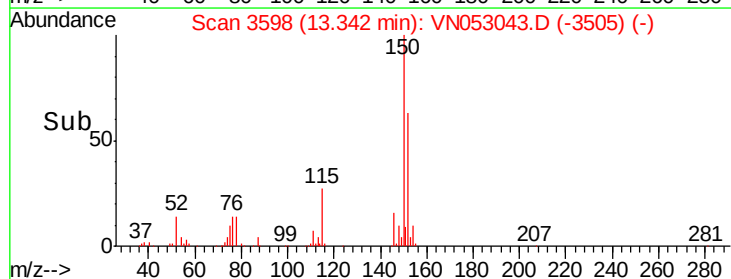
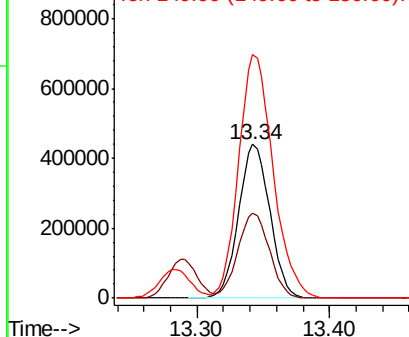
152 100

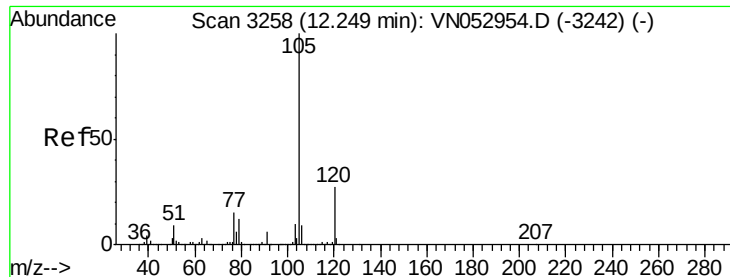
115 55.8 28.3 85.0

150 175.0 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: 50.213 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

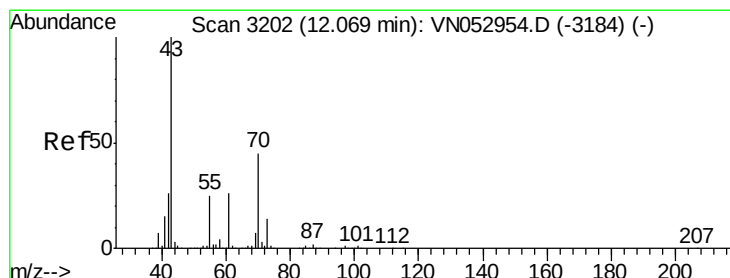
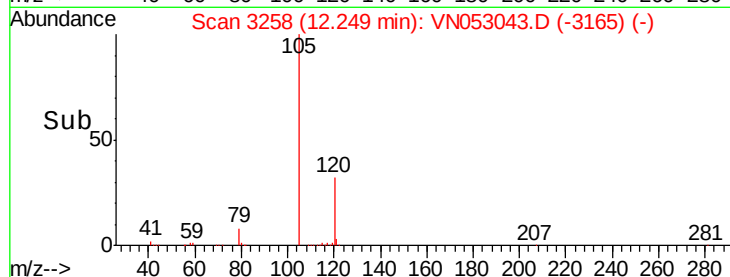
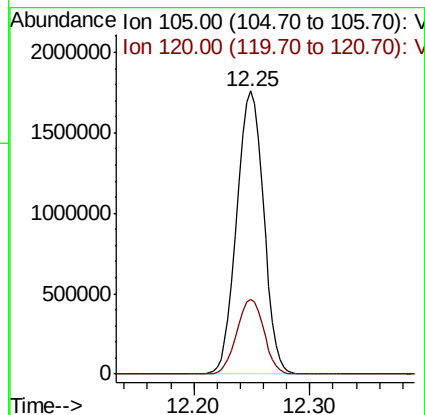
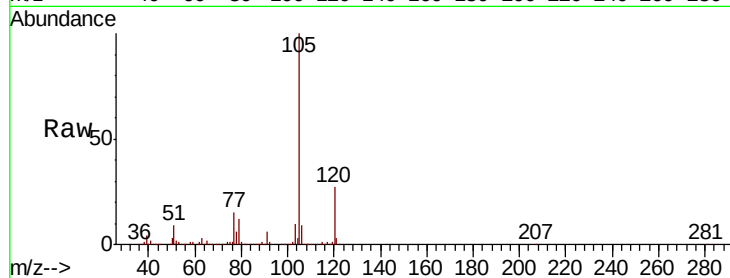
BFB

Tot Ion:105 Resp: 2821009

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 48.955 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion: 43 Resp: 763593

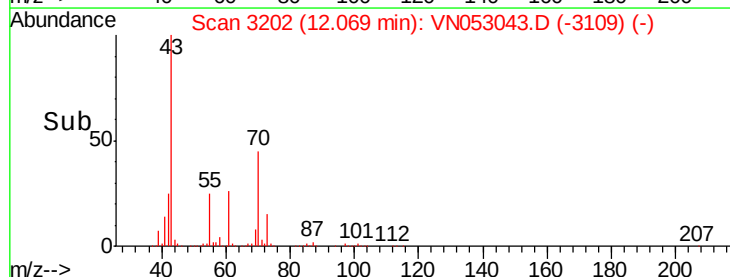
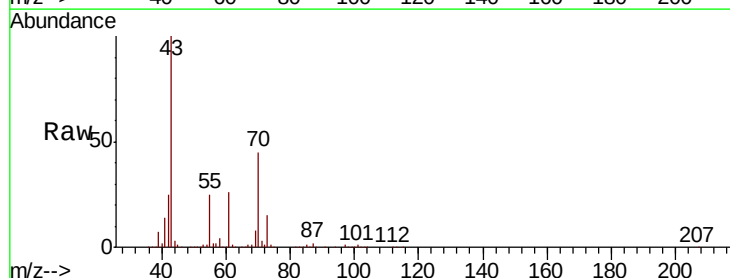
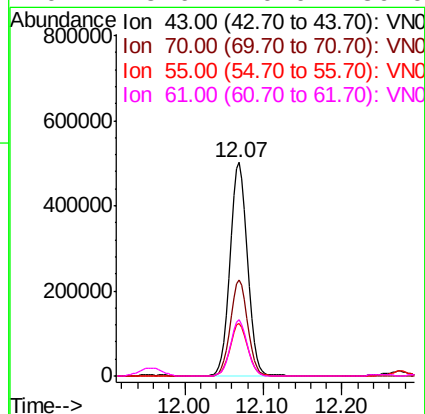
Ion Ratio Lower Upper

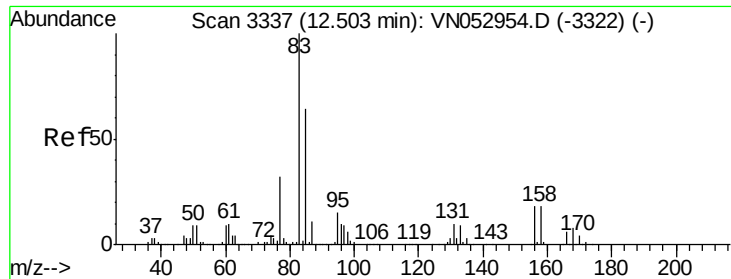
43 100

70 44.6 34.2 51.4

55 24.8 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.730 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

BFB

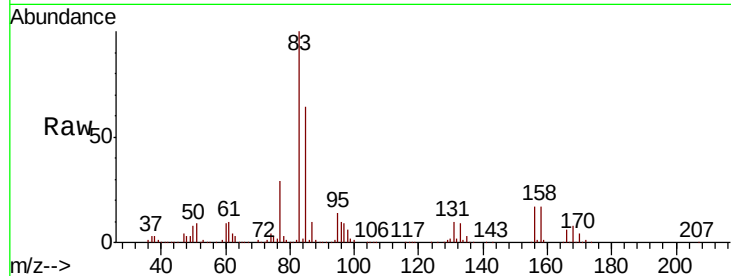
Tot Ion: 83 Resp: 559146

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

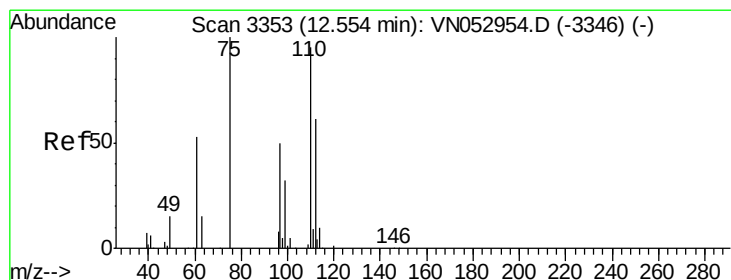
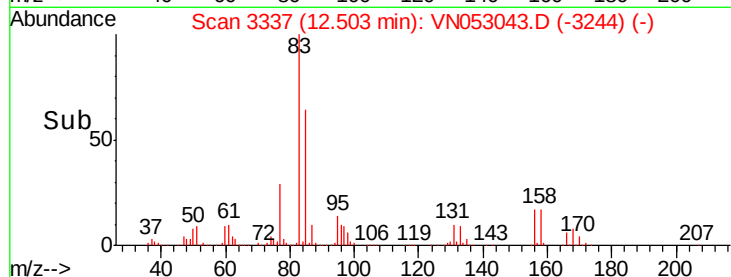
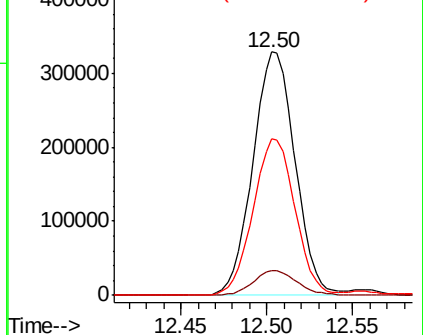
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053043.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053043.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053043.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 64.946 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053043.D

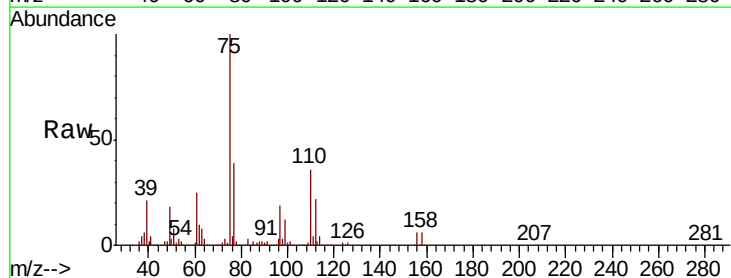
Acq: 20 Dec 2018 9:08

Tgt Ion: 75 Resp: 785045

Ion Ratio Lower Upper

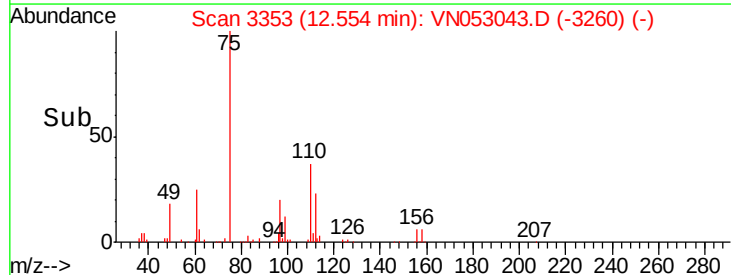
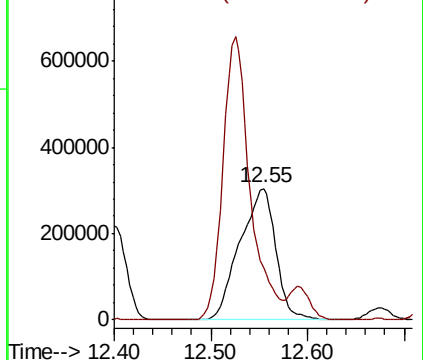
75 100

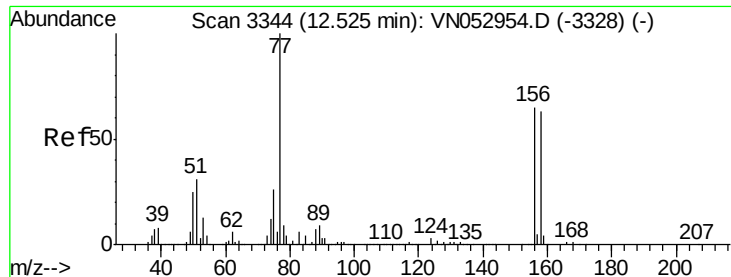
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053043.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053043.D (-3260) (-)





#77

Bromobenzene

Concen: 49.686 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

BFB

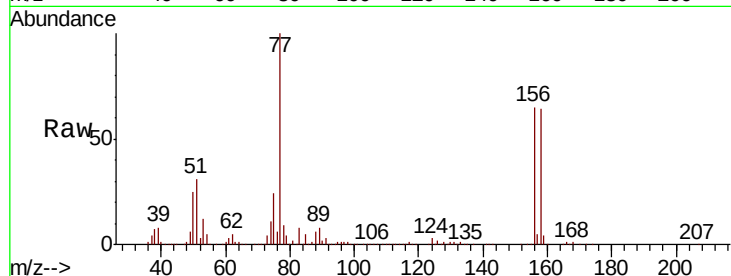
Tot Ion:156 Resp: 725605

Ion Ratio Lower Upper

156 100

77 176.4 91.3 273.8

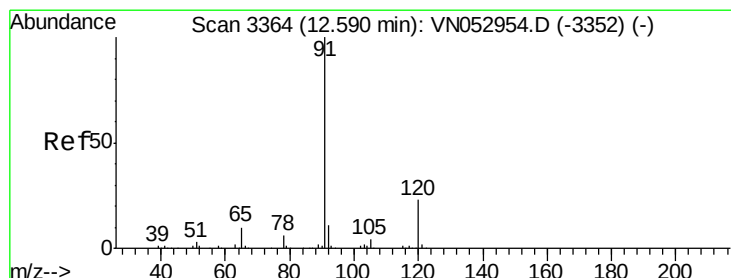
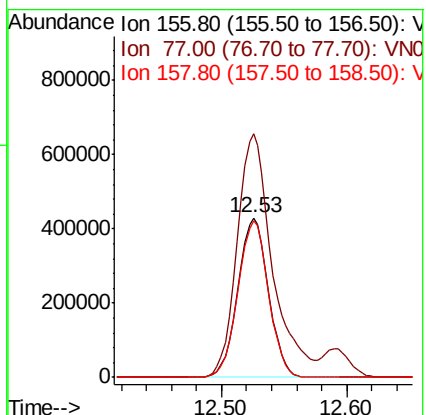
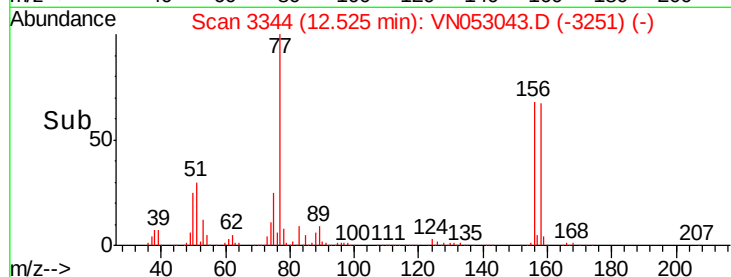
158 98.1 49.0 147.2



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: 50.982 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053043.D

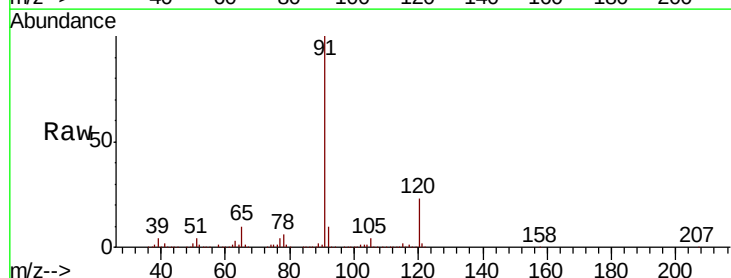
Acq: 20 Dec 2018 9:08

Tgt Ion: 91 Resp: 3262087

Ion Ratio Lower Upper

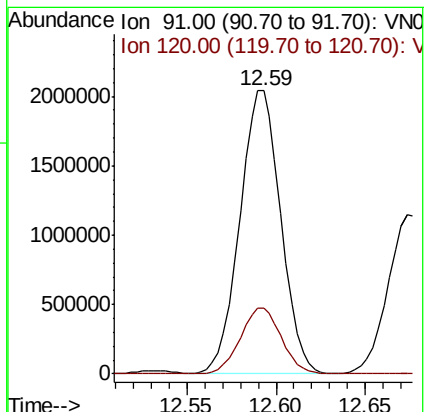
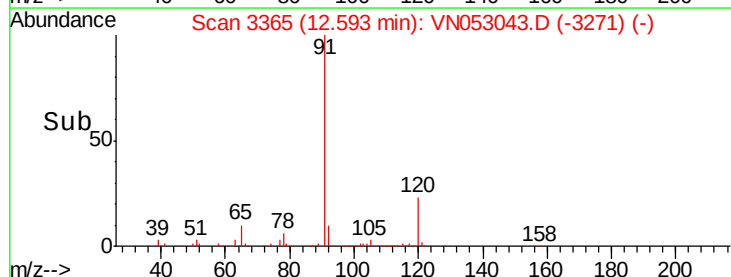
91 100

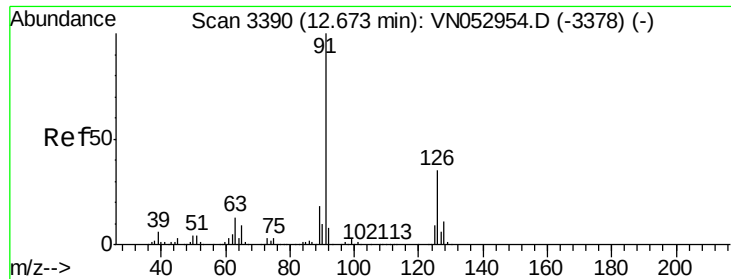
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.868 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

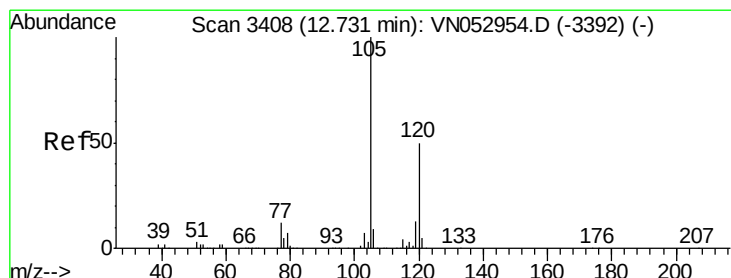
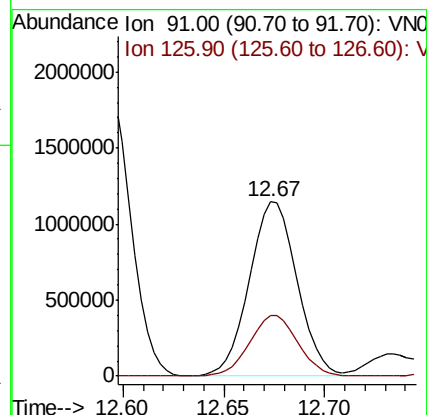
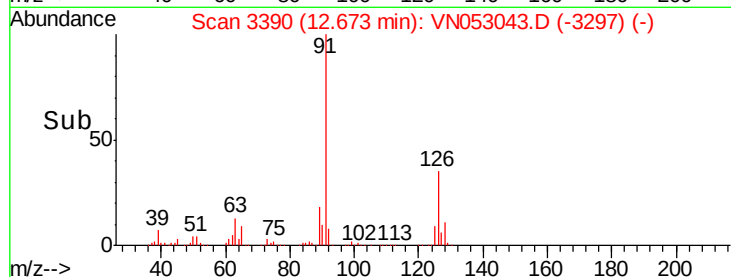
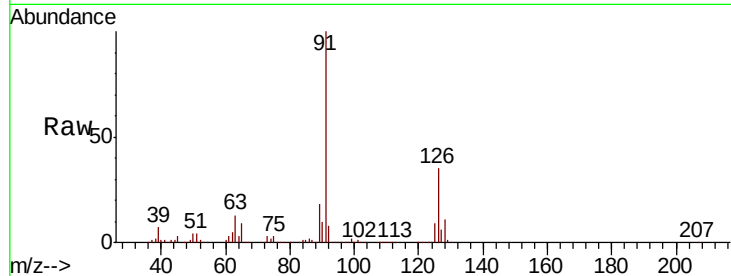
BFB

Tot Ion: 91 Resp: 1898499

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.450 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053043.D

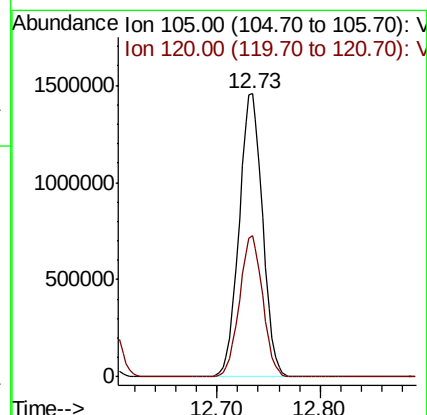
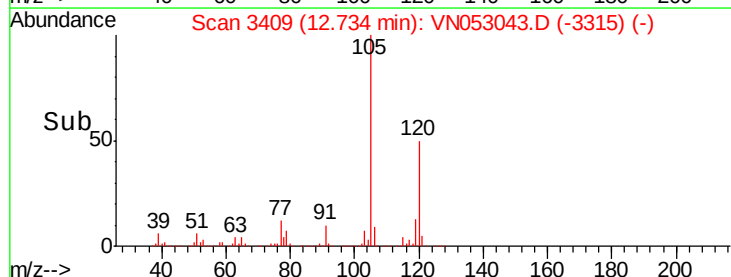
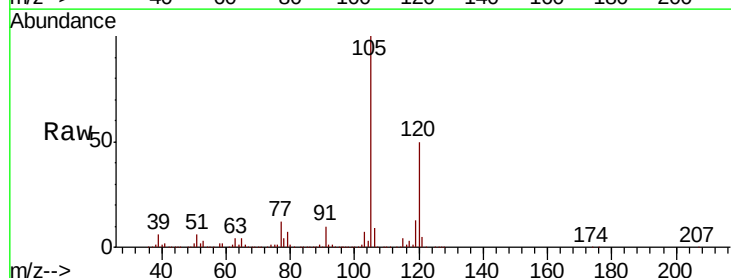
Acq: 20 Dec 2018 9:08

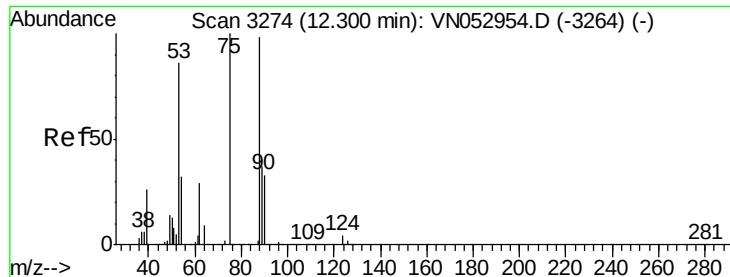
Tgt Ion:105 Resp: 2310241

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.456 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

BFB

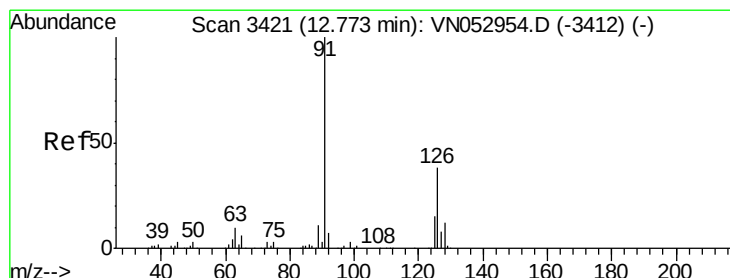
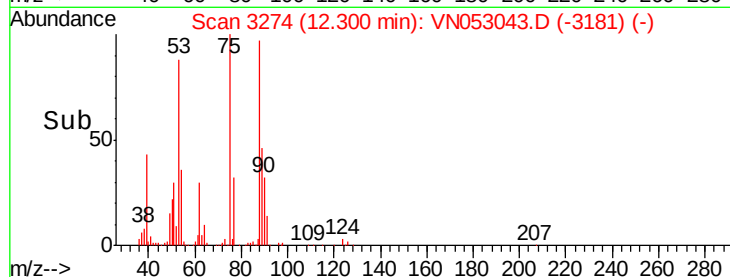
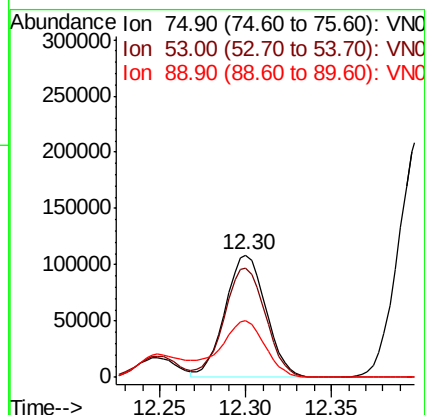
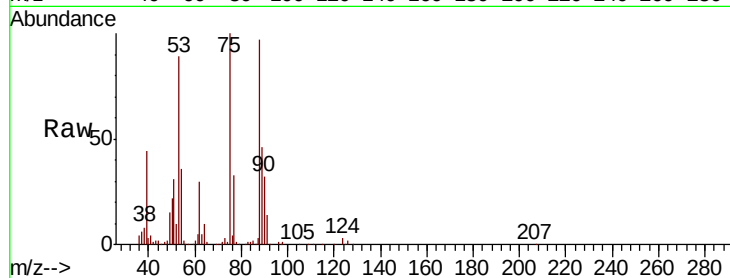
Tot Ion: 75 Resp: 177976

Ion Ratio Lower Upper

75 100

53 92.2 74.7 112.1

89 48.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 50.298 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053043.D

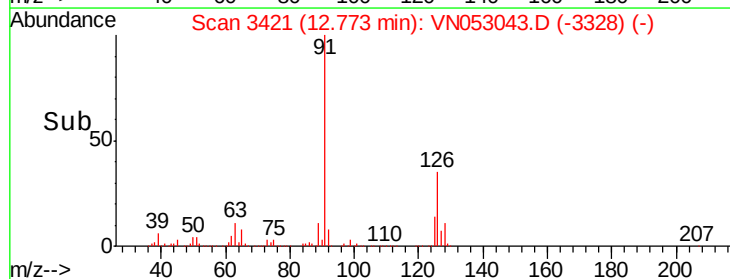
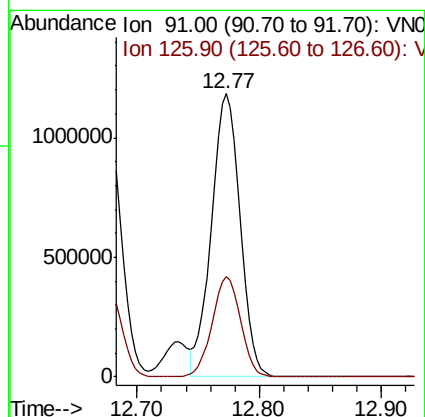
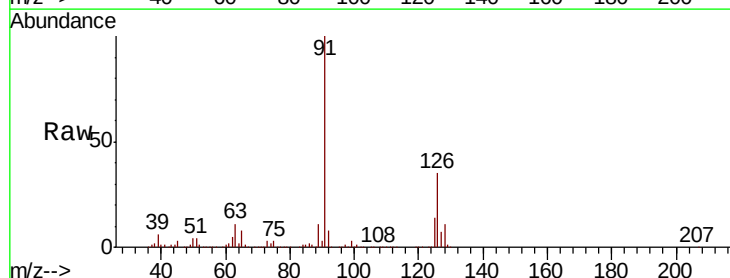
Acq: 20 Dec 2018 9:08

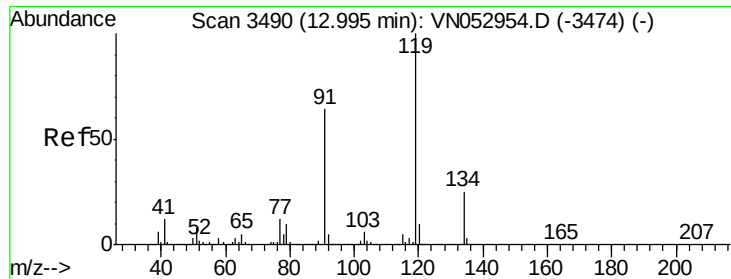
Tgt Ion: 91 Resp: 1952810

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7

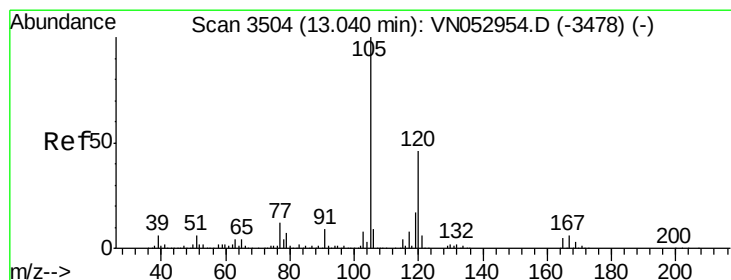
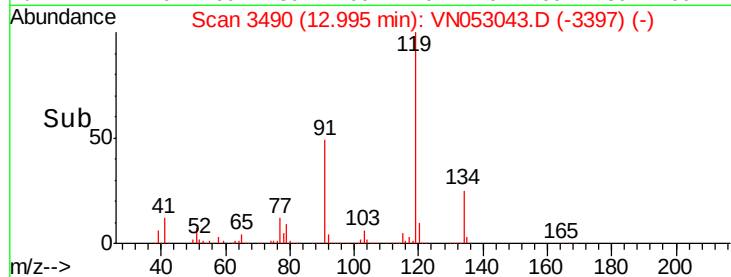
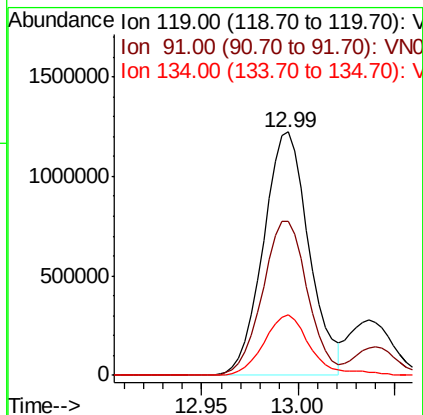
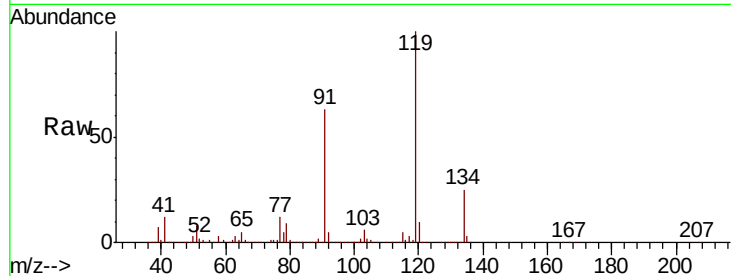




#83
 tert-Butylbenzene
 Concen: 49.674 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

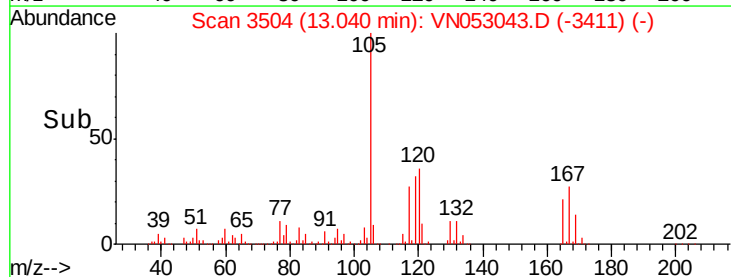
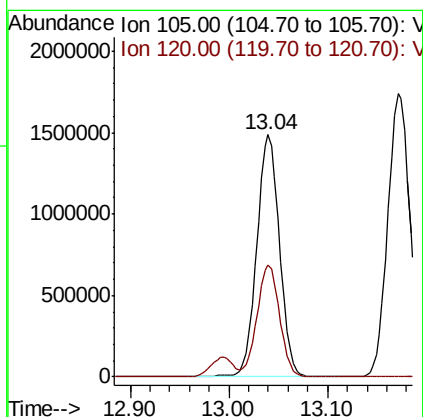
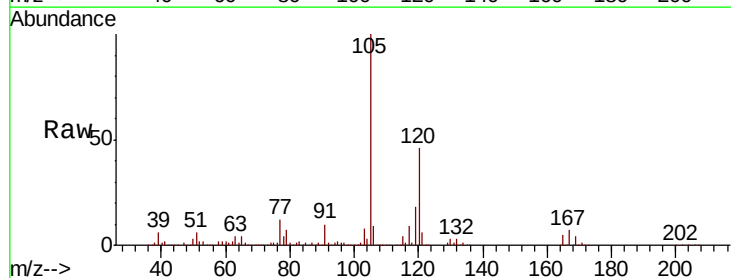
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

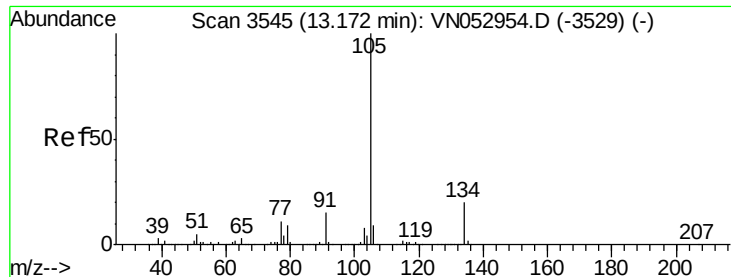
Tot Ion:119 Resp: 2011759
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.020 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion:105 Resp: 2348694
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.549 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

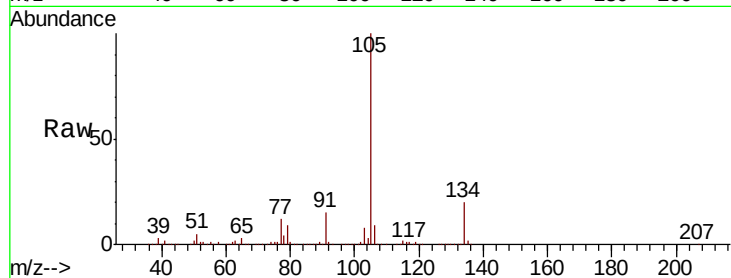
BFB

Tot Ion:105 Resp: 2714265

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2000000

1500000

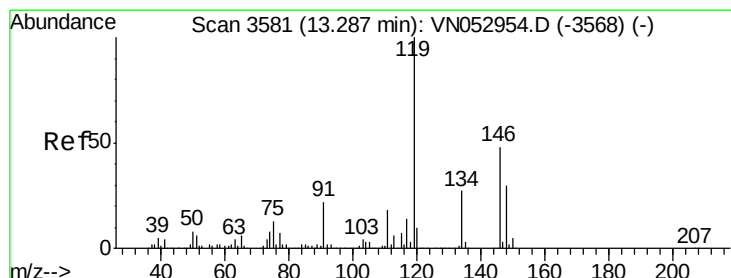
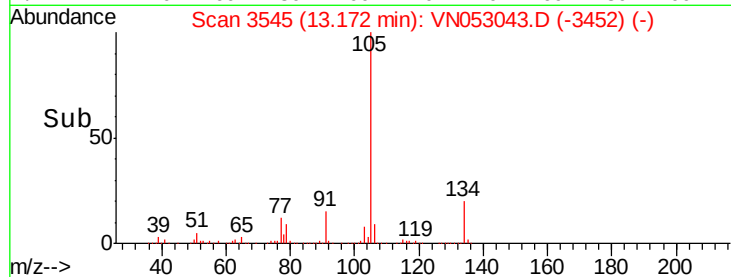
1000000

500000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 50.388 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

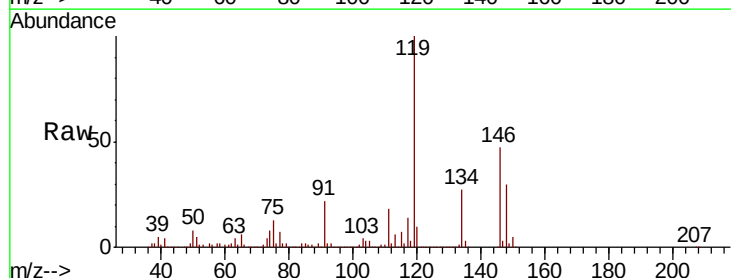
Tgt Ion:119 Resp: 2385070

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.1 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

2000000

1500000

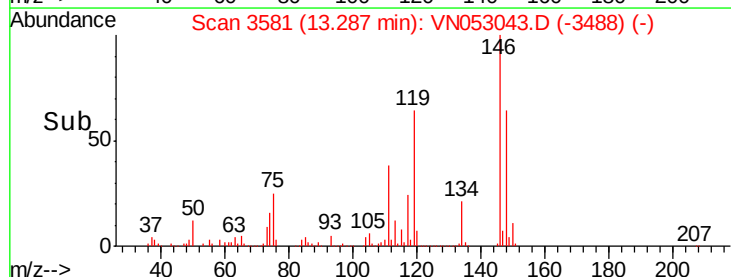
1000000

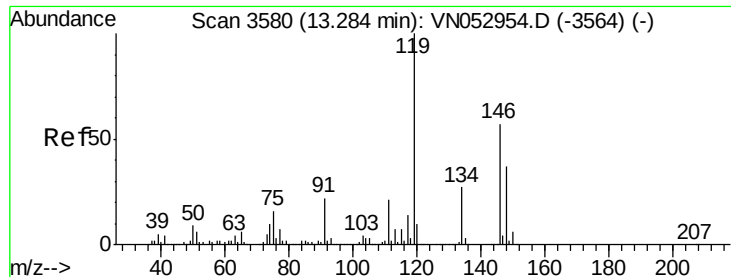
500000

0

13.20 13.25 13.30 13.35

Time-->

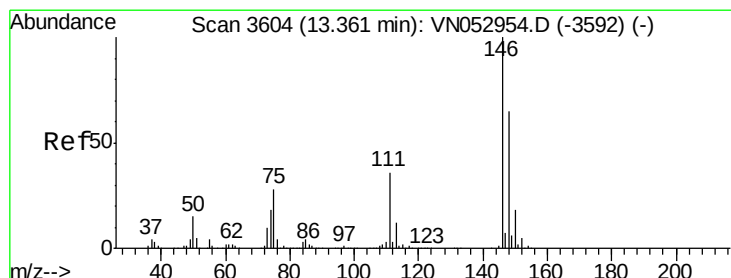
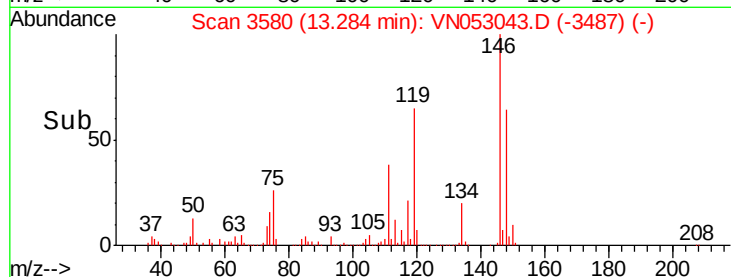
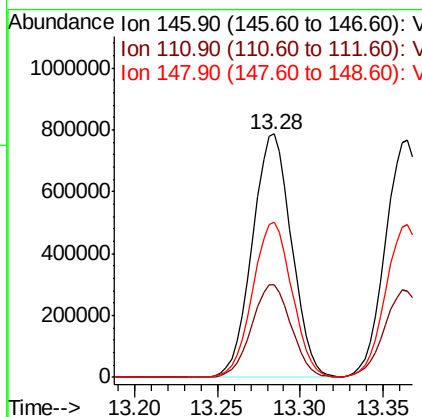
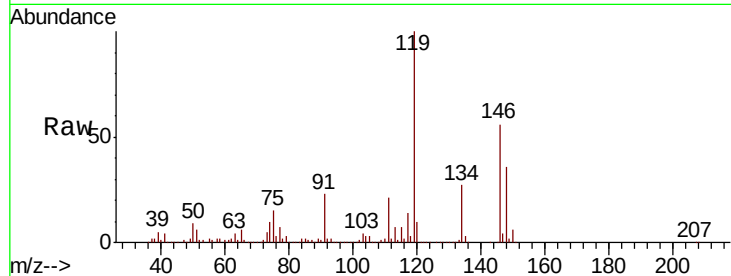




#87
 1,3-Dichlorobenzene
 Concen: 50.021 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

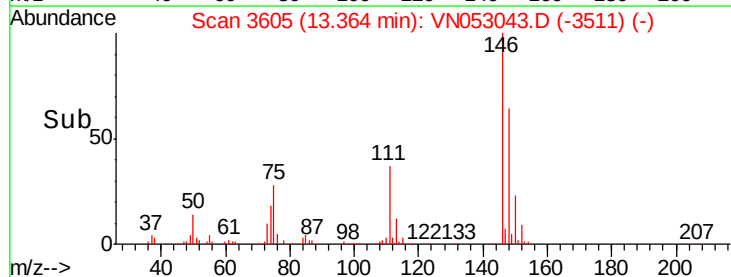
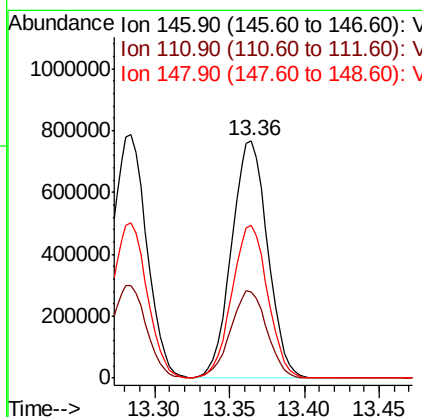
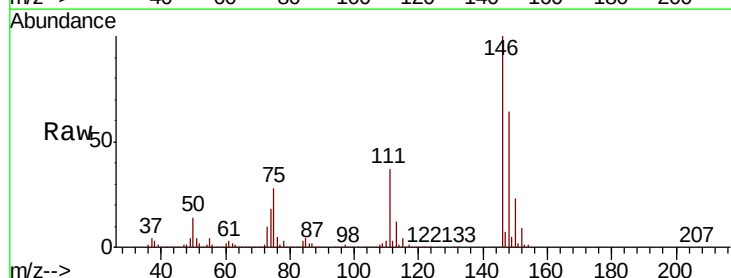
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

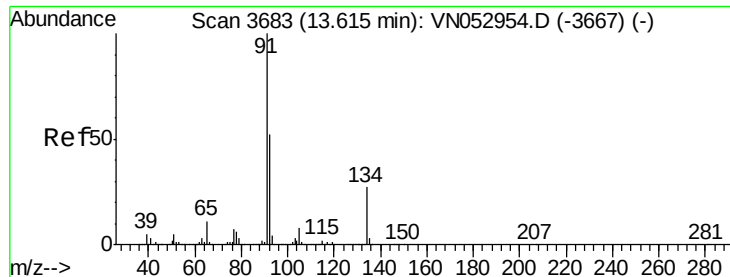
Tot Ion:146 Resp: 1292914
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.1
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.130 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion:146 Resp: 1285977
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 64.1 32.1 96.5

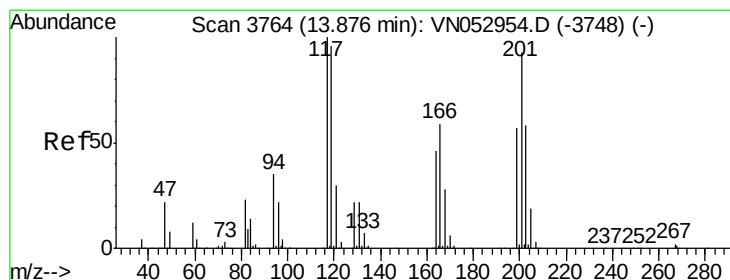
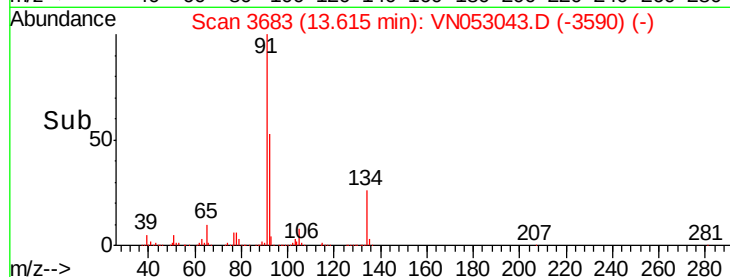
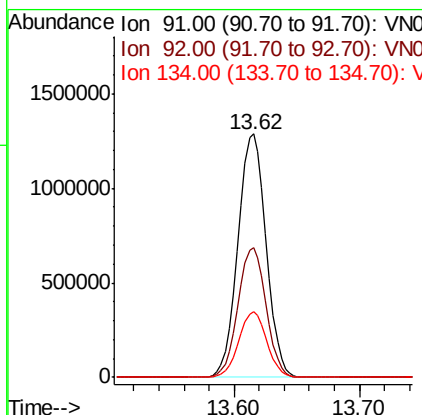
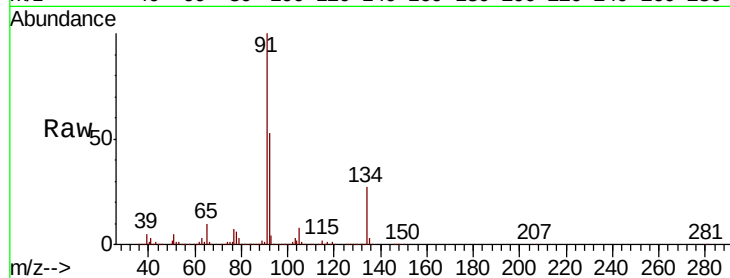




#89
n-Butylbenzene
Concen: 49.166 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

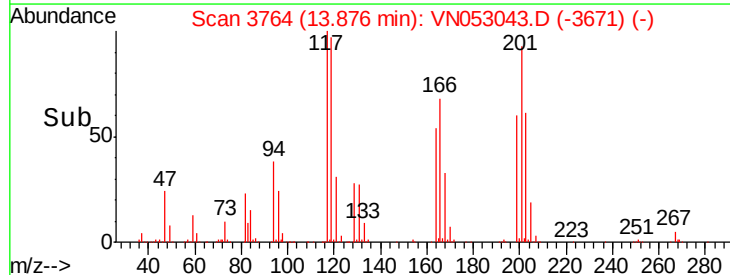
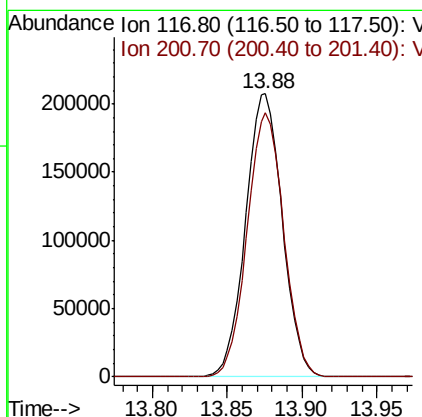
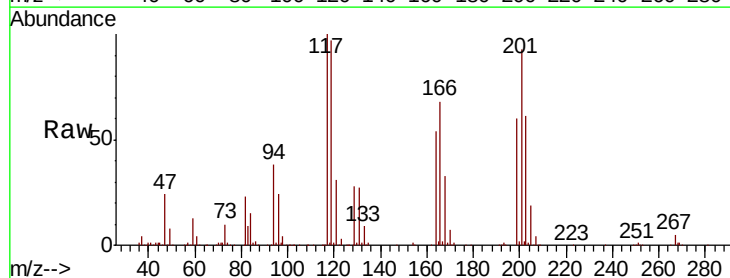
Instrument :
MSVOA_N
ClientSampleId :
BFB

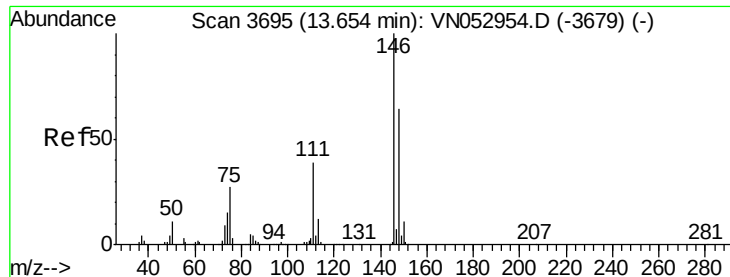
Tot Ion: 91 Resp: 2002120
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 26.8 13.3 39.8



#90
Hexachloroethane
Concen: 48.832 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 117 Resp: 354704
Ion Ratio Lower Upper
117 100
201 92.7 45.7 137.1

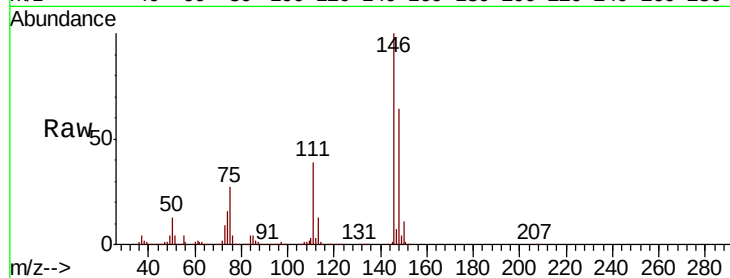




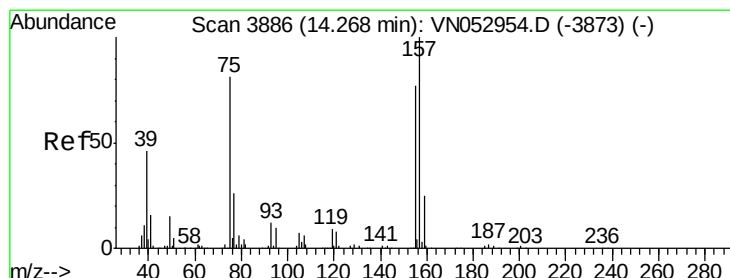
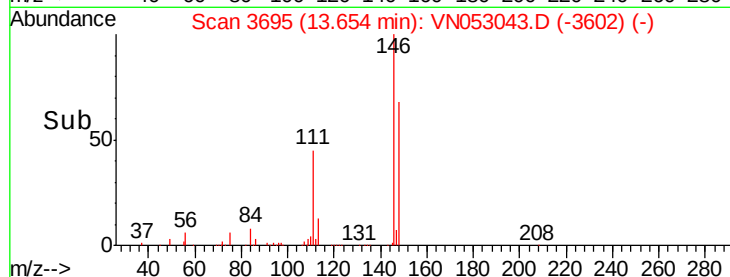
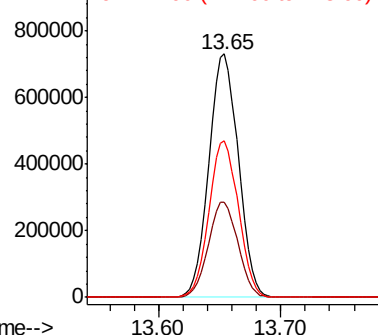
#91
 1,2-Dichlorobenzene
 Concen: 50.132 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tot Ion:146 Resp: 1219508
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.3 32.0 96.0

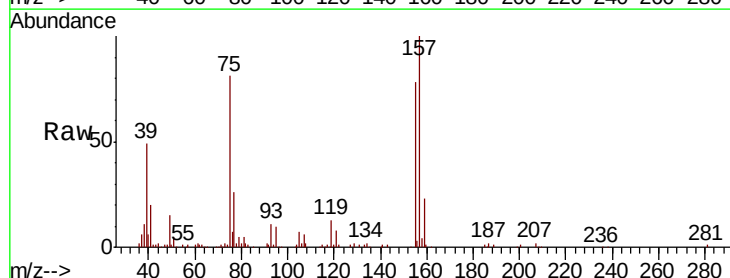


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

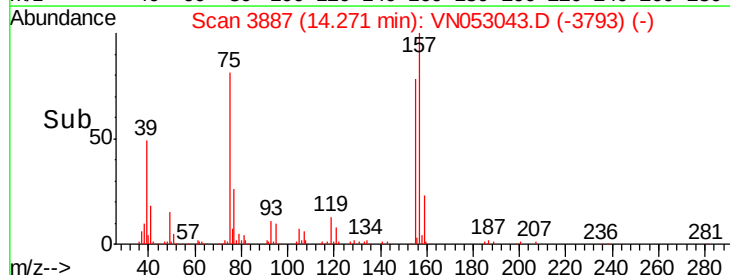
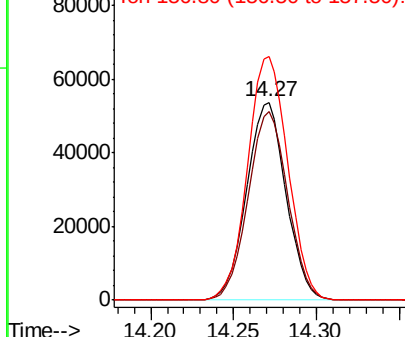


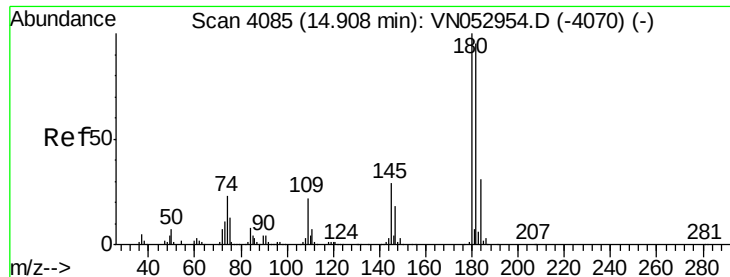
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.659 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 75 Resp: 88920
 Ion Ratio Lower Upper
 75 100
 155 95.6 48.2 144.6
 157 125.5 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

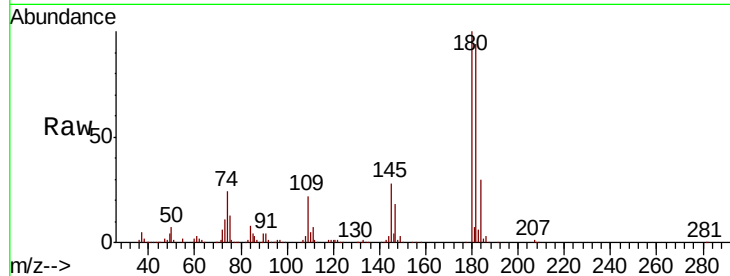




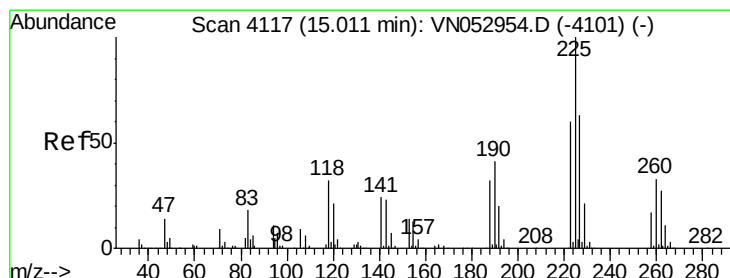
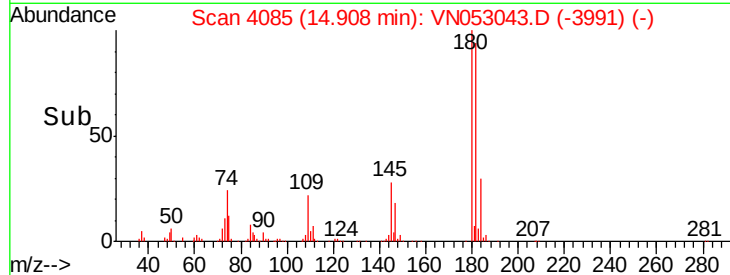
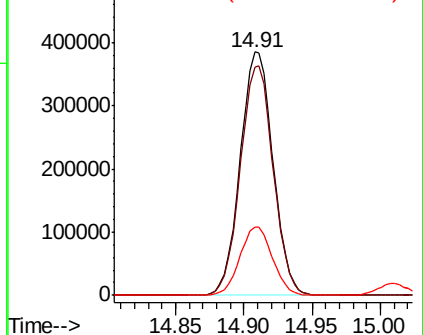
#93
 1,2,4-Trichlorobenzene
 Concen: 49.751 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tot Ion:180 Resp: 641161
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.8 143.3
 145 28.0 14.2 42.6

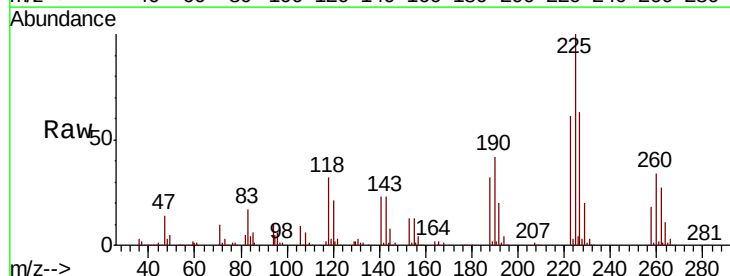


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

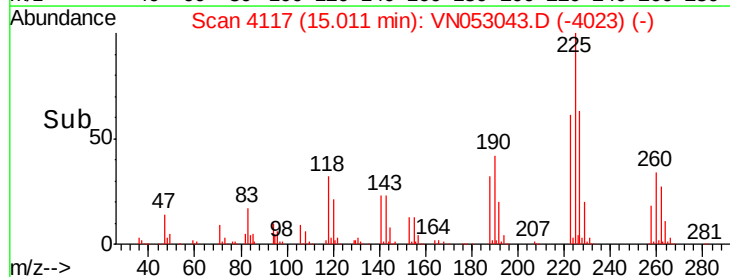
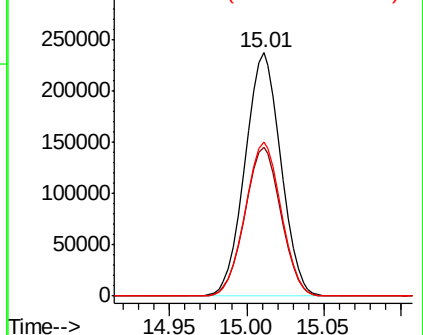


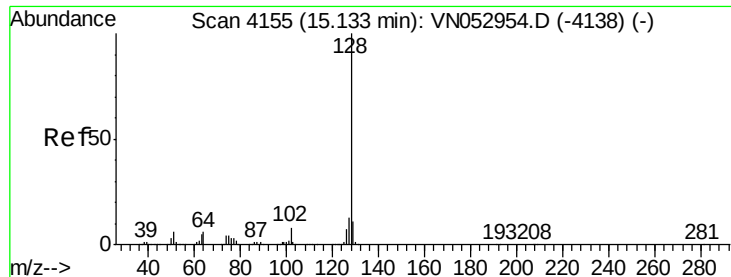
#94
 Hexachlorobutadiene
 Concen: 57.917 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion:225 Resp: 383451
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.5 94.5
 227 63.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.471 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

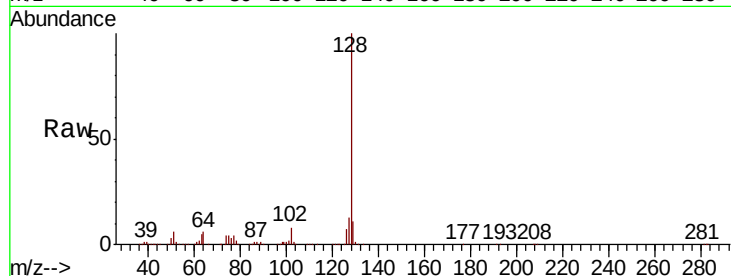
MSVOA_N

ClientSampled :

BFB

Tot Ion:128 Resp: 1309629

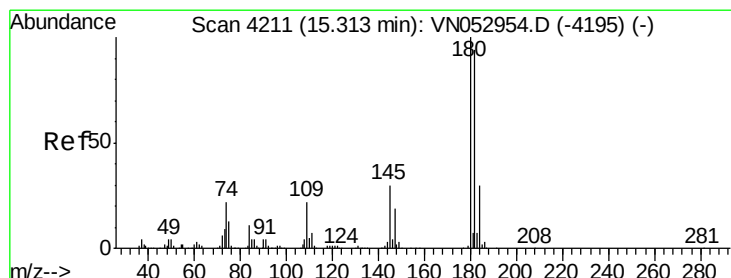
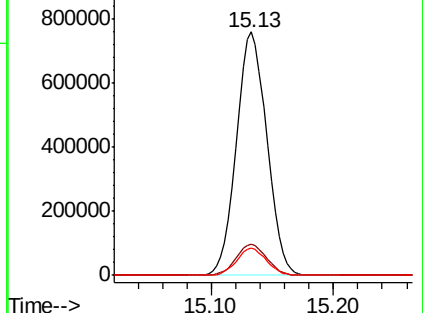
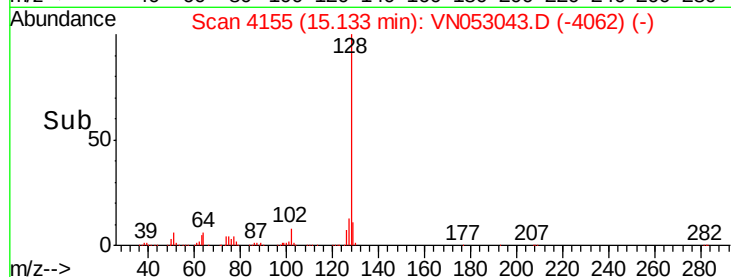
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.236 ug/l

RT: 15.32 min Scan# 4212

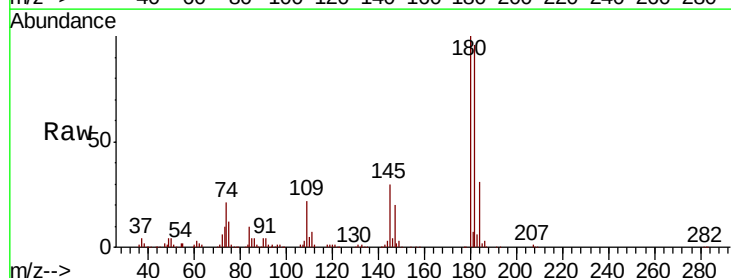
Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:180 Resp: 559610

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	30.1	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

