

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN010518\
 Data File : VN046327.D
 Acq On : 5 Jan 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Jan 05 11:42:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N121917W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 19 04:09:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	170439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	924473	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	832405	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	407177	31.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.10%
60) 4-Bromofluorobenzene	12.41	95	401010	31.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.83%
63) Toluene-d8	10.09	98	1182587	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213936	25.54	ug/l	94
3) Chloromethane	2.05	50	342796	20.48	ug/l	100
4) Vinyl Chloride	2.18	62	280849	21.55	ug/l	98
5) Bromomethane	2.56	94	119613	16.51	ug/l	100
6) Chloroethane	2.70	64	174280	20.90	ug/l	100
7) Trichlorofluoromethane	3.02	101	357819	25.49	ug/l	99
8) Diethyl Ether	3.41	74	145308	19.70	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	243311	28.23	ug/l	98
10) 1,1-Dichloroethene	3.73	96	199980	21.65	ug/l	98
11) Methyl Iodide	3.95	142	161335	16.82	ug/l	95
12) Methyl Acetate	4.33	43	230049	23.29	ug/l	99
13) Acrolein	3.61	56	53108	48.63	ug/l	100
14) Acrylonitrile	4.99	53	493195	113.38	ug/l	99
15) Acetone	3.82	58	175915	143.36	ug/l	98
16) Carbon Disulfide	4.05	76	475847	17.52	ug/l	99
17) Allyl chloride	4.32	41	334877	18.84	ug/l	98
18) Methylene Chloride	4.55	84	260556	20.27	ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	212353	20.87	ug/l	98
20) Diisopropyl ether	5.95	45	875500	22.37	ug/l	98
21) 1,1-Dichloroethane	5.85	63	493327	22.18	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	255719	20.43	ug/l	97
23) tert-Butyl Alcohol	4.79	59	100599	112.38	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	649539	20.48	ug/l	98
25) Chloroform	7.37	83	468718	22.23	ug/l	100
26) Cyclohexane	7.65	56	346063	22.68	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	324295	22.46	ug/l	100
30) 2-Butanone	6.84	43	606223	118.17	ug/l	97
31) 2,2-Dichloropropane	6.82	77	399749	24.64	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	381081	22.93	ug/l	98
33) Carbon Tetrachloride	7.77	117	276371	23.49	ug/l	97
34) Benzene	8.04	78	1018221	20.06	ug/l	96
35) Methacrylonitrile	7.17	41	117163	19.45	ug/l	96
36) 1,2-Dichloroethane	8.12	62	359852	20.95	ug/l	99
37) Trichloroethene	8.83	130	251828	21.90	ug/l	96
38) Methylcyclohexane	9.08	83	347107	24.12	ug/l	98
39) 1,2-Dichloropropane	9.12	63	297680	20.79	ug/l	97
40) Dibromomethane	9.21	93	164328	20.51	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 19 04:09:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	345462	21.42	ug/l	99
42) Vinyl Acetate	5.90	43	2899381	104.15	ug/l	99
43) Ethyl Acetate	6.93	43	242048	21.81	ug/l	98
44) Isopropyl Acetate	8.17	43	433427	21.90	ug/l	# 80
45) 1,4-Dioxane	9.20	88	57358	433.58	ug/l	96
46) Methyl methacrylate	9.20	41	196337	20.38	ug/l	99
47) n-amyl Acetate	12.08	43	340124	21.46	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	346434	20.32	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	396236	19.89	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	240990	20.88	ug/l	98
51) Ethyl methacrylate	10.43	69	290238	19.82	ug/l	99
52) 1,3-Dichloropropane	10.71	76	415172	20.47	ug/l	100
53) Dibromochloromethane	10.90	129	235125	20.98	ug/l	99
54) 1,2-Dibromoethane	11.01	107	223162	20.62	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	219298	39.84	ug/l	99
56) Bromoform	12.13	173	148144	21.03	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	1186490	117.84	ug/l	97
59) 2-Hexanone	10.75	43	808183	120.88	ug/l	98
61) Tetrachloroethene	10.63	164	243878	23.20	ug/l	100
62) Toluene	10.16	91	1078713	21.16	ug/l	100
64) Chlorobenzene	11.44	112	641721	20.76	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	233199	20.90	ug/l	99
66) Ethyl Benzene	11.52	91	1096624	21.59	ug/l	100
67) m/p-Xylenes	11.63	106	837380	43.80	ug/l	97
68) o-Xylene	11.95	106	399874	20.75	ug/l	99
69) Styrene	11.97	104	640329	21.44	ug/l	99
70) Isopropylbenzene	12.26	105	1086510	23.08	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	319643	22.47	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	374294	33.17	ug/l	47
73) Bromobenzene	12.53	156	252996	20.82	ug/l	95
74) n-propylbenzene	12.60	91	1315265	24.49	ug/l	98
75) 2-Chlorotoluene	12.68	91	785740	22.44	ug/l	98
76) 1,3,5-Trimethylbenzene	12.74	105	928836	23.28	ug/l	98
77) t-1,4-Dichloro-2-butene	12.31	75	82090	22.75	ug/l	96
78) 4-Chlorotoluene	12.78	91	781745	23.20	ug/l	98
79) tert-butylbenzene	13.00	119	776497	23.17	ug/l	97
80) 1,2,4-Trimethylbenzene	13.18	105	1118392	27.32	ug/l	100
81) sec-Butylbenzene	13.18	105	1118392	25.78	ug/l	98
82) p-Isopropyltoluene	13.30	119	912370	24.51	ug/l	98
83) 1,3-Dichlorobenzene	13.29	146	450178	22.83	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	424082	22.63	ug/l	98
85) n-Butylbenzene	13.62	91	788725	26.31	ug/l	99
86) Hexachloroethane	13.88	117	125036	21.92	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	440480	21.85	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	42845	22.14	ug/l	92
89) 1,2,4-Trichlorobenzene	14.92	180	156261	19.59	ug/l	98
90) Hexachlorobutadiene	15.02	225	152578	29.11	ug/l	98
91) Naphthalene	15.14	128	286824	17.53	ug/l	99
92) 1,2,3-Trichlorobenzene	15.33	180	171383	21.61	ug/l	95

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 19 04:09:09 2017
Response via : Initial Calibration

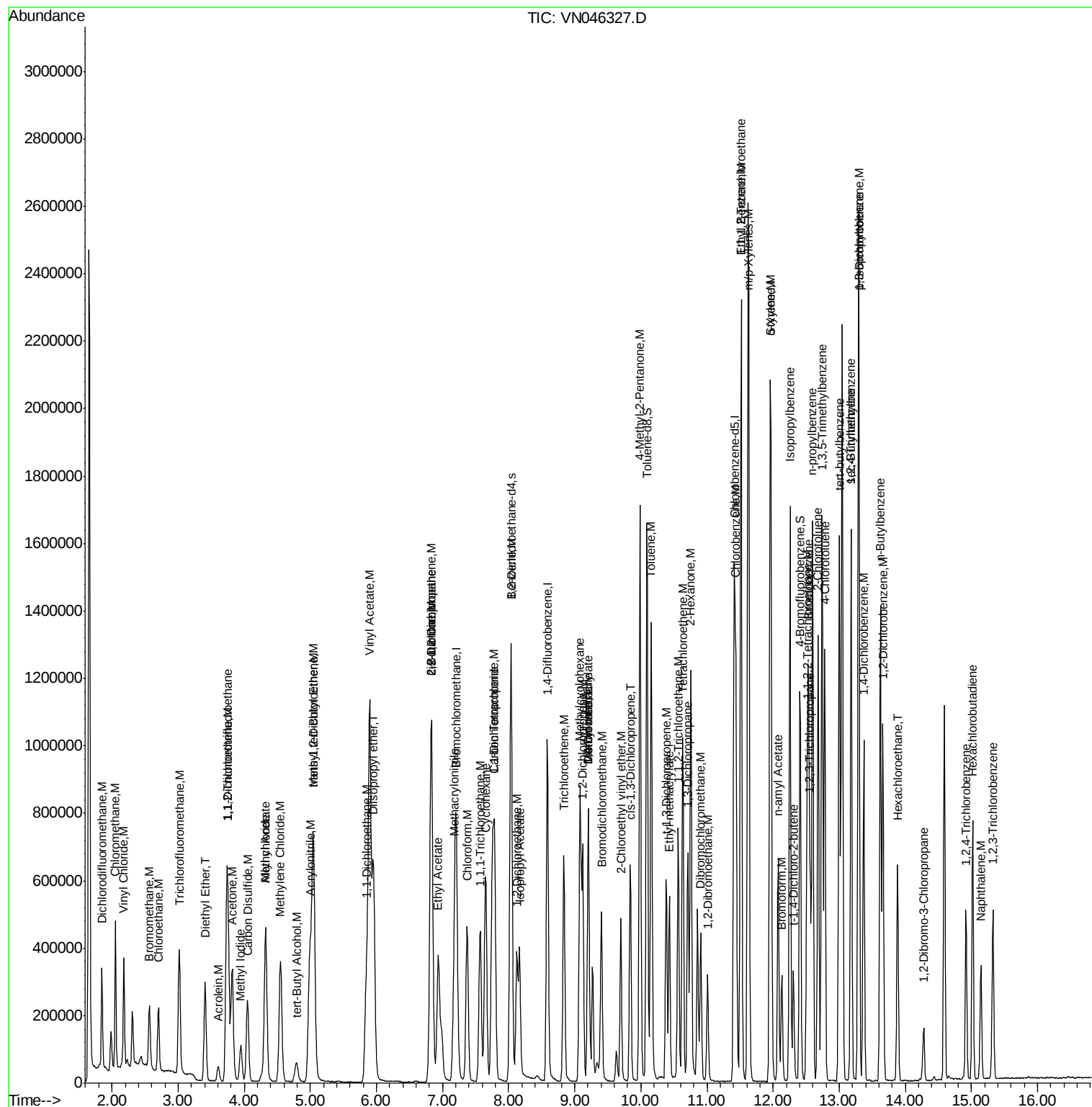
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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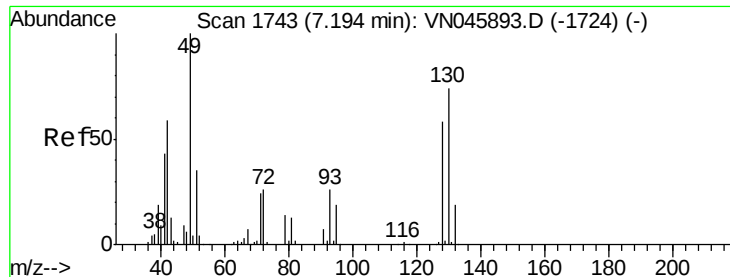
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 11:42:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N121917W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
BFB

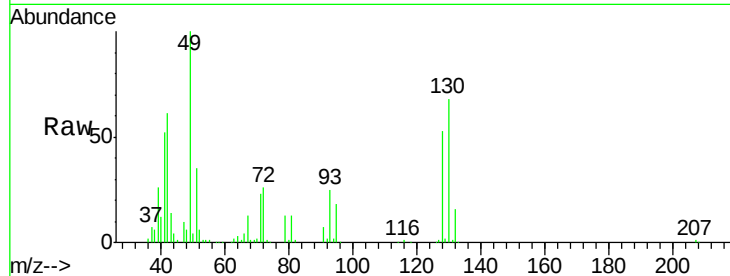
Tgt Ion:128 Resp: 170439

Ion Ratio Lower Upper

128 100

49 189.9 0.0 442.2

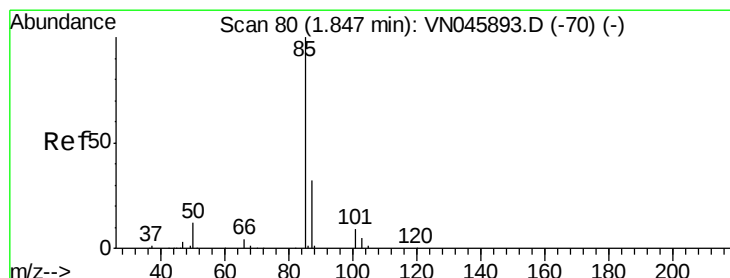
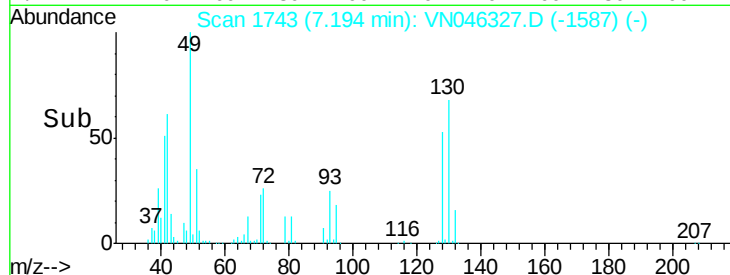
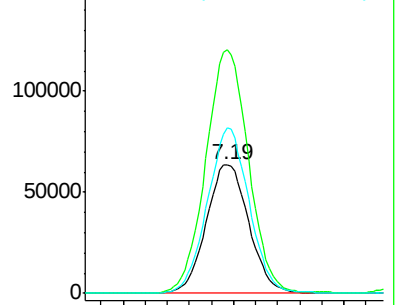
130 125.7 0.0 322.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 25.54 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN046327.D

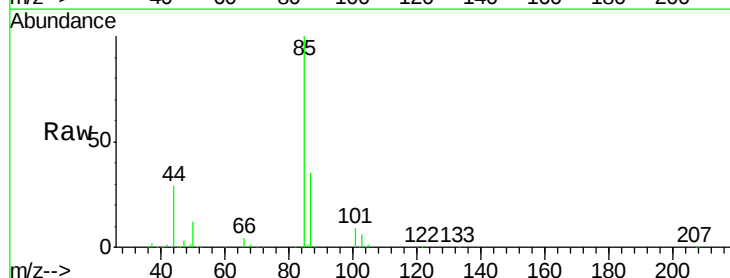
Acq: 5 Jan 2018 11:11

Tgt Ion: 85 Resp: 213936

Ion Ratio Lower Upper

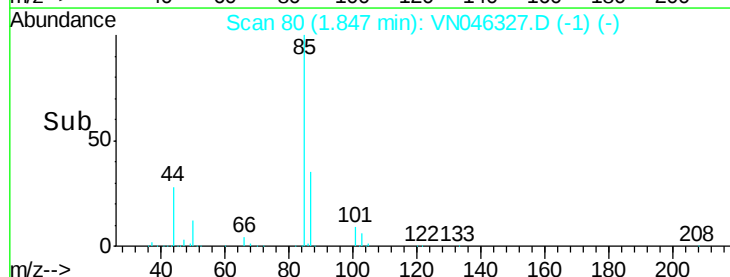
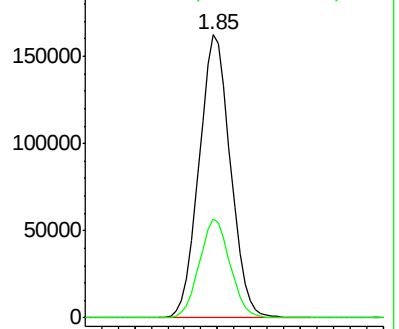
85 100

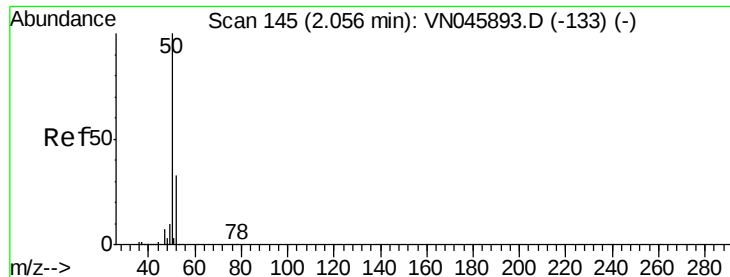
87 34.8 15.8 47.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.48 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

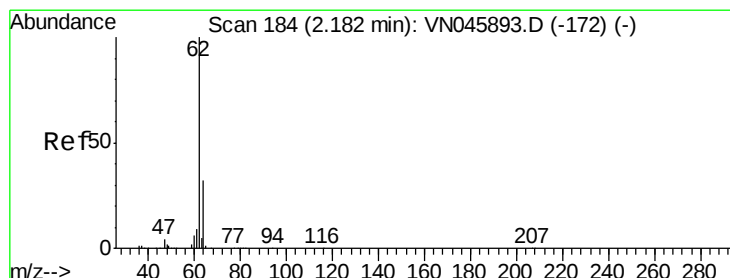
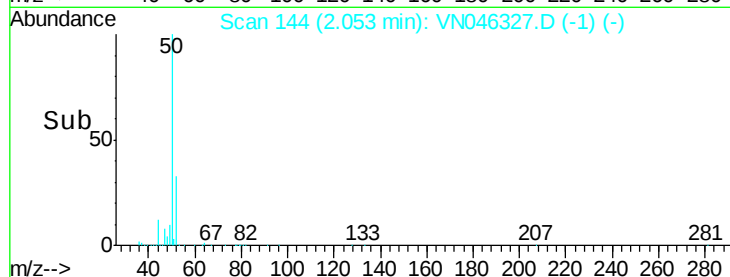
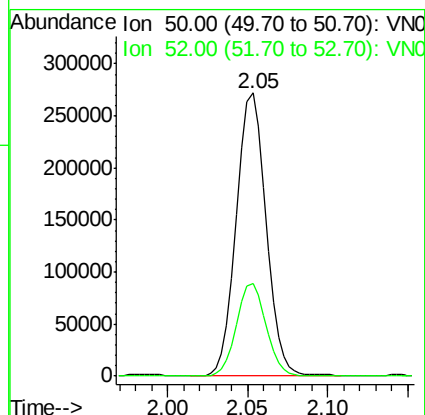
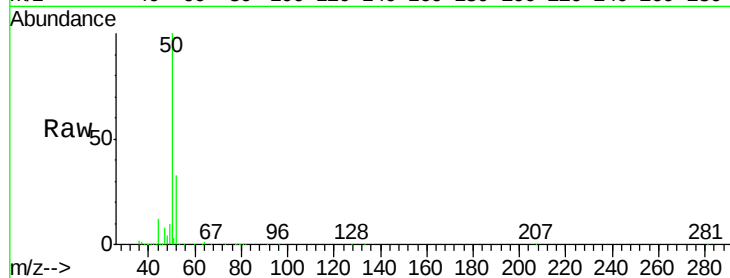
BFB

Tgt Ion: 50 Resp: 342796

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 21.55 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN046327.D

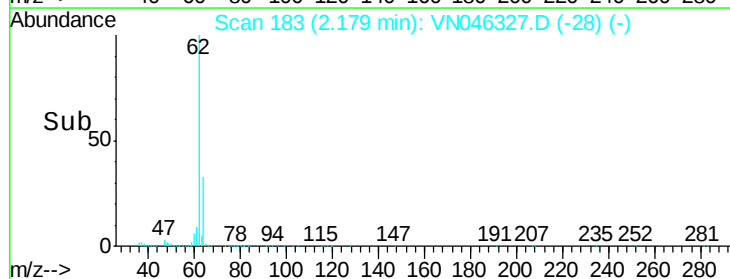
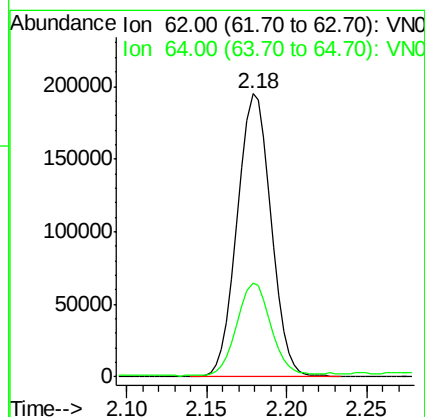
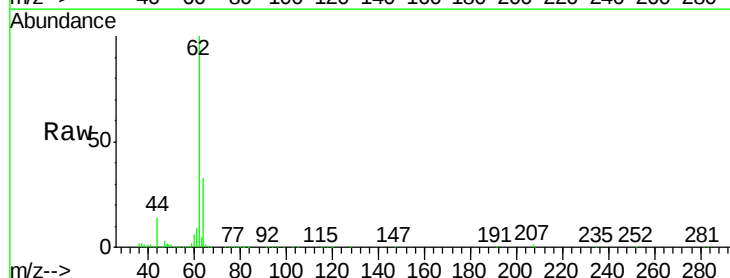
Acq: 5 Jan 2018 11:11

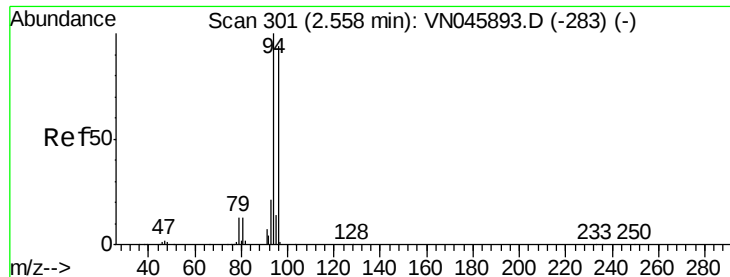
Tgt Ion: 62 Resp: 280849

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 16.51 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

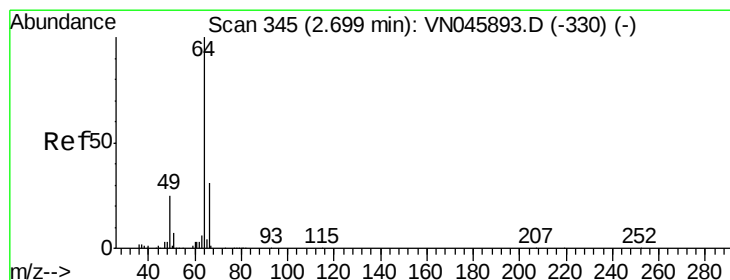
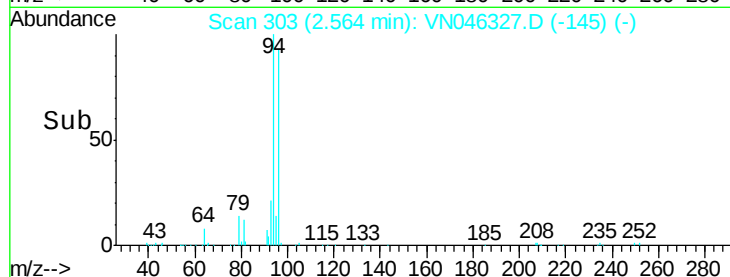
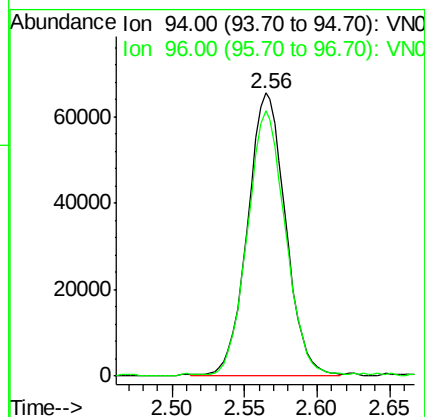
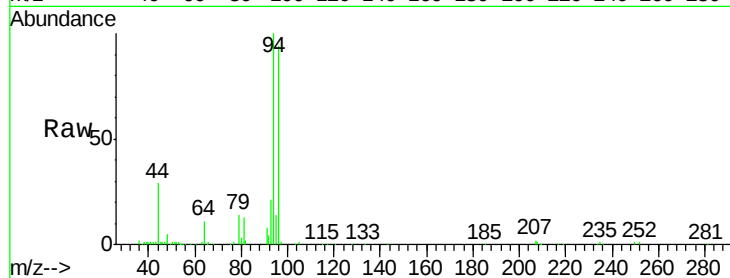
BFB

Tgt Ion: 94 Resp: 119613

Ion Ratio Lower Upper

94 100

96 93.8 74.8 112.2



#6

Chloroethane

Concen: 20.90 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN046327.D

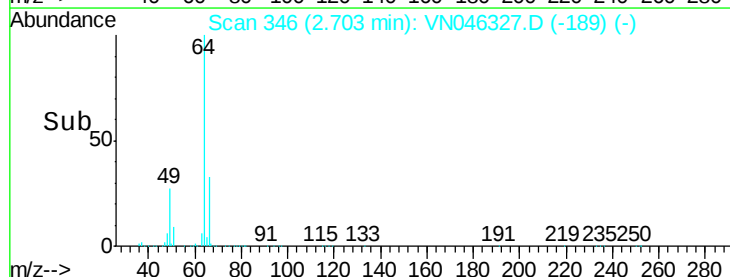
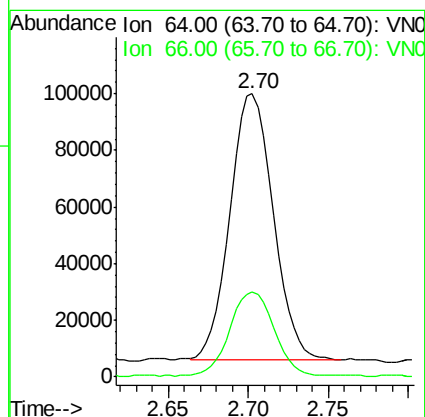
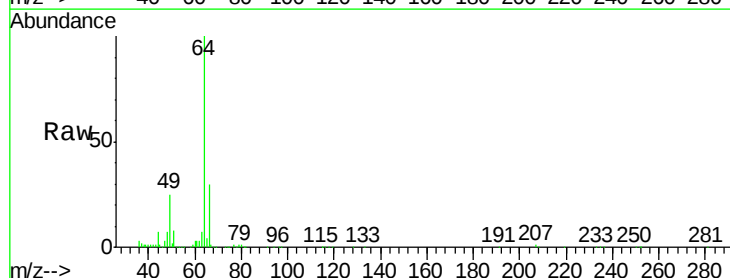
Acq: 5 Jan 2018 11:11

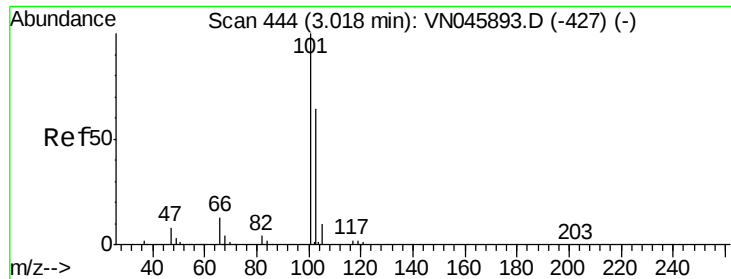
Tgt Ion: 64 Resp: 174280

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2





#7

Trichlorofluoromethane

Concen: 25.49 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

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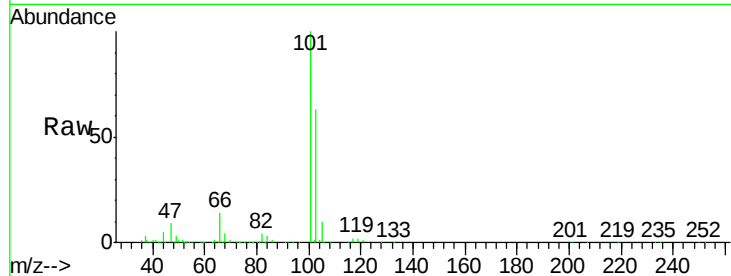
BFB

Tgt Ion:101 Resp: 357819

Ion Ratio Lower Upper

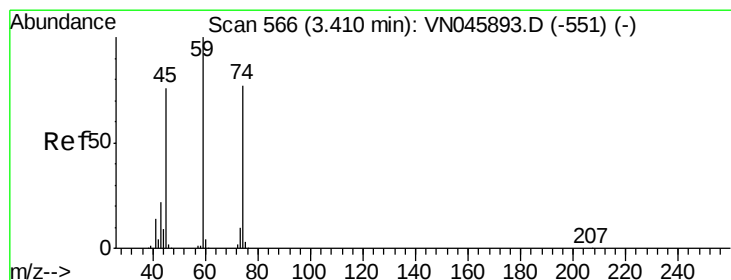
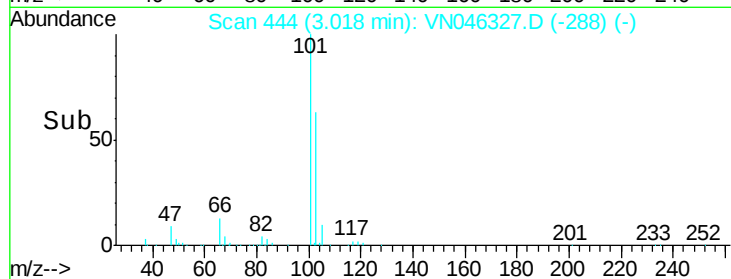
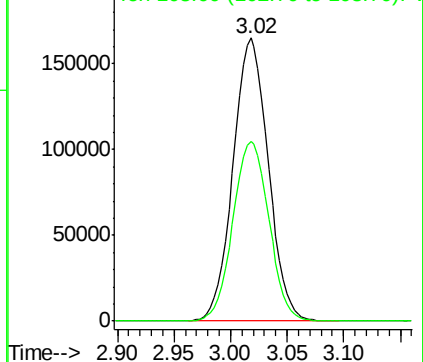
101 100

103 63.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.70 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN046327.D

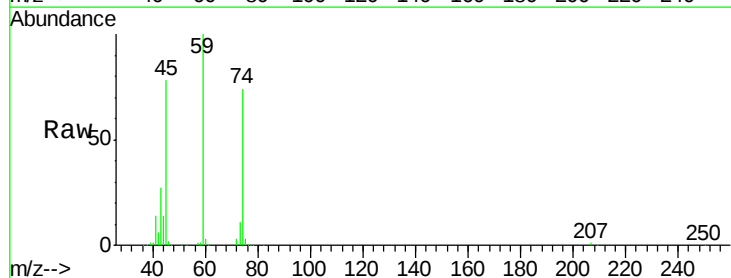
Acq: 5 Jan 2018 11:11

Tgt Ion: 74 Resp: 145308

Ion Ratio Lower Upper

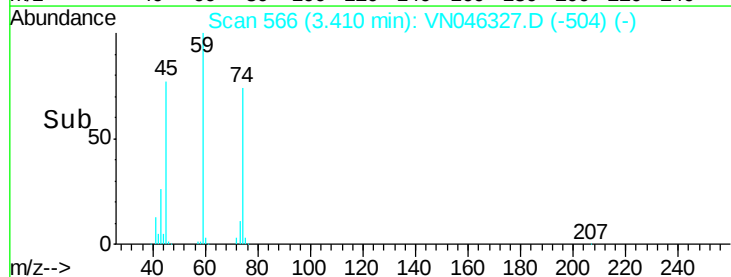
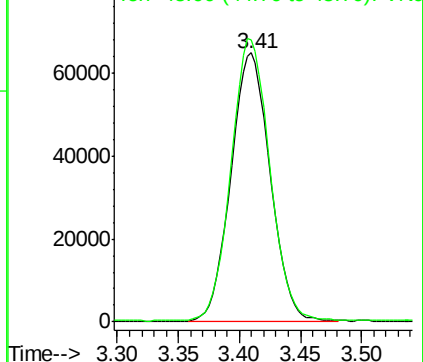
74 100

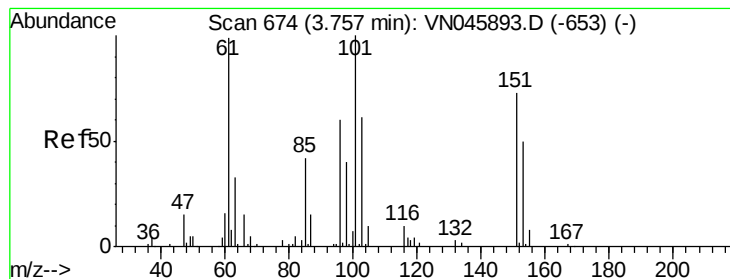
45 103.0 20.0 179.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.23 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

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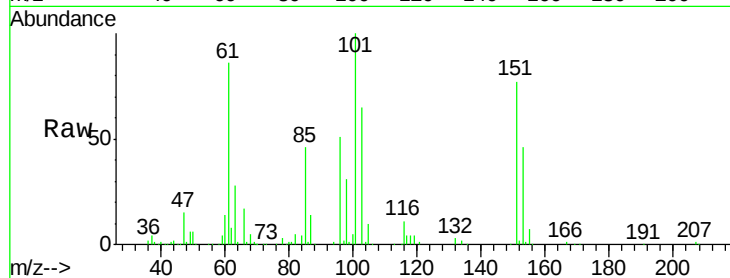
Tgt Ion:101 Resp: 243311

Ion Ratio Lower Upper

101 100

85 44.1 0.0 87.0

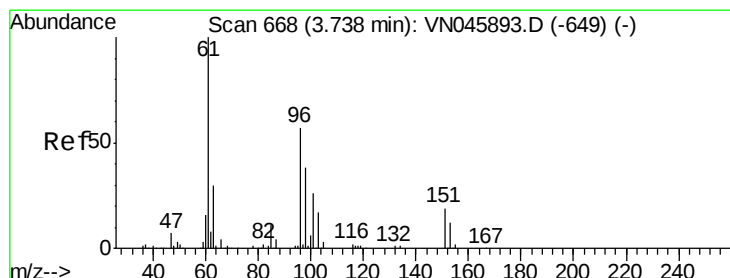
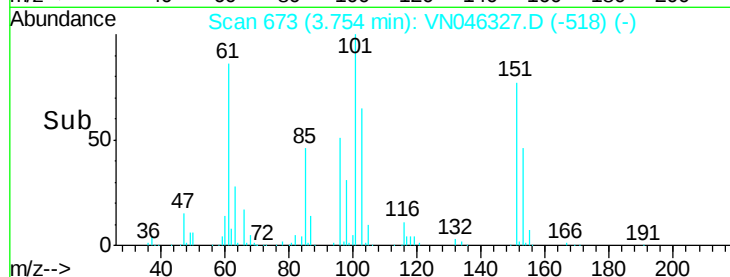
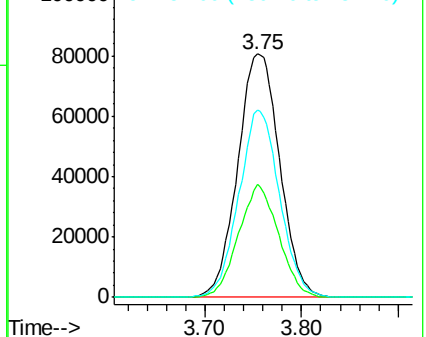
151 74.5 0.0 153.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.65 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

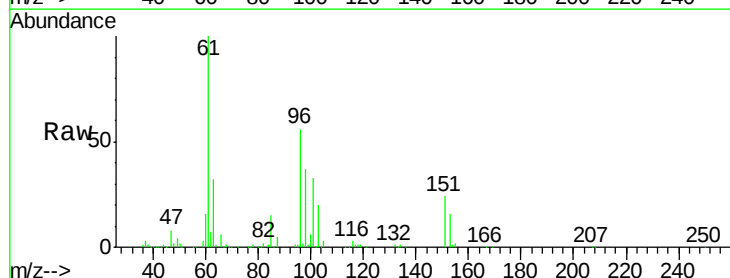
Tgt Ion: 96 Resp: 199980

Ion Ratio Lower Upper

96 100

61 178.7 139.3 208.9

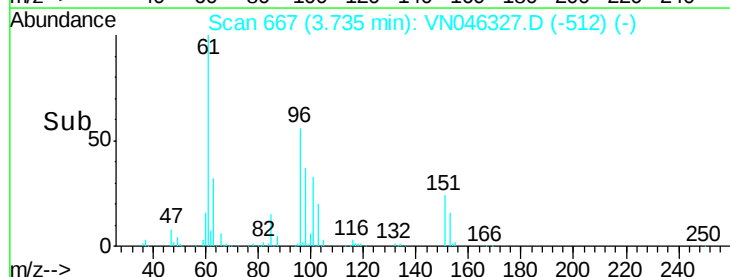
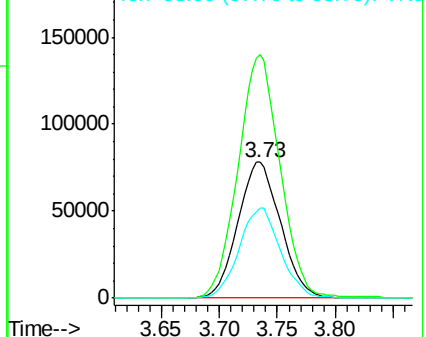
98 66.0 52.9 79.3

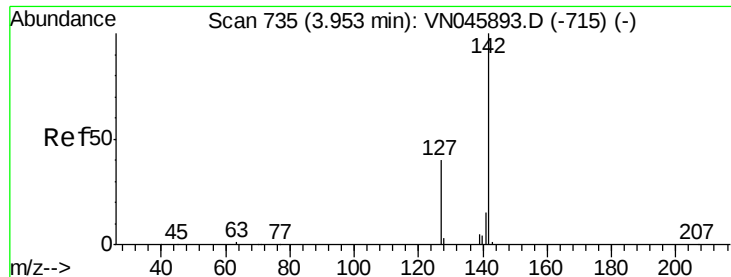


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

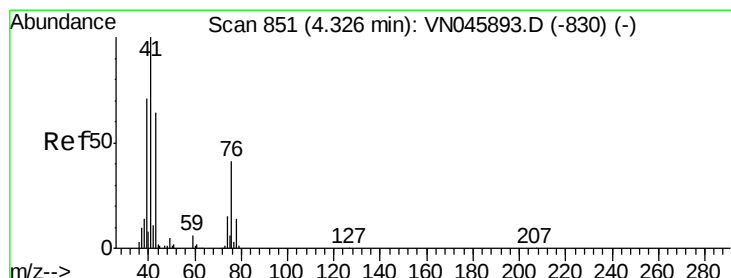
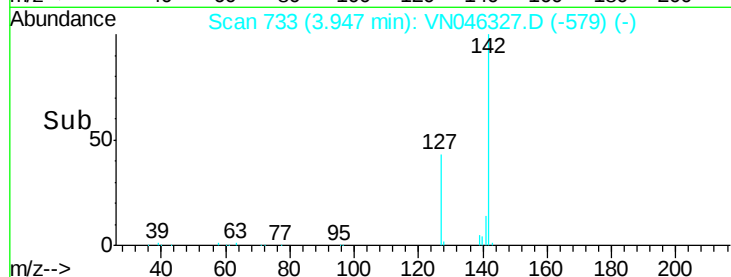
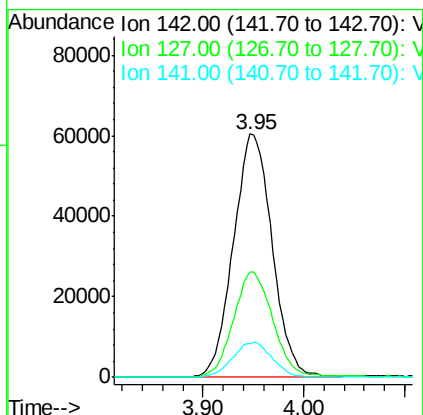
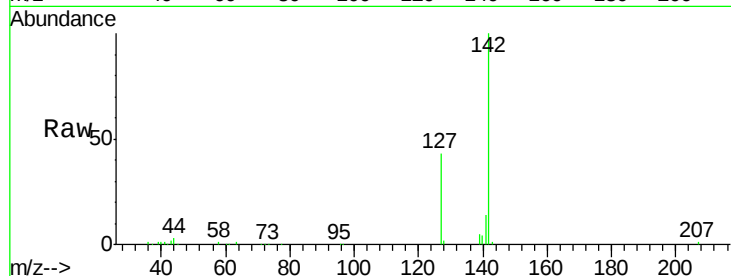




#11
Methyl Iodide
Concen: 16.82 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.01 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

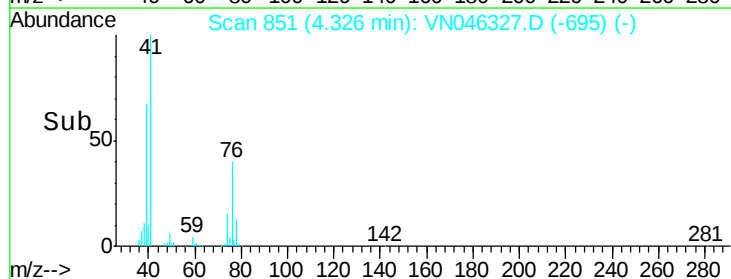
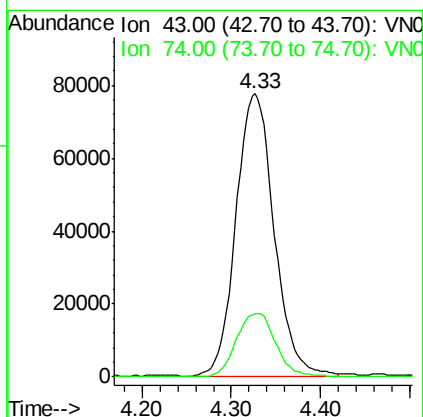
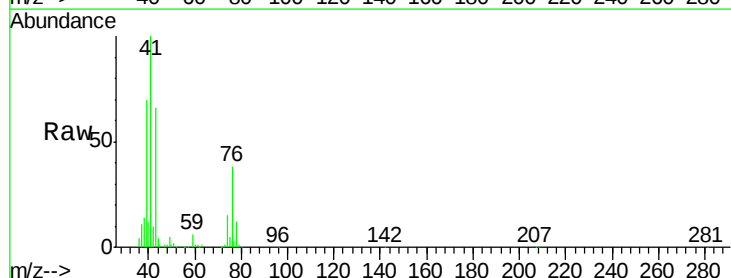
Instrument :
MSVOA_N
ClientSampled :
BFB

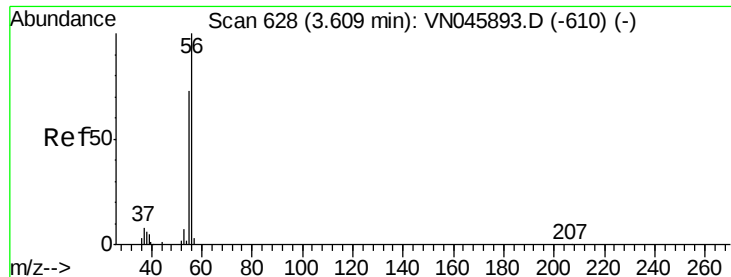
Tgt Ion:142 Resp: 161335
Ion Ratio Lower Upper
142 100
127 43.2 19.7 59.1
141 14.1 7.3 22.0



#12
Methyl Acetate
Concen: 23.29 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 43 Resp: 230049
Ion Ratio Lower Upper
43 100
74 22.2 18.2 27.4





#13

Acrolein

Concen: 48.63 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

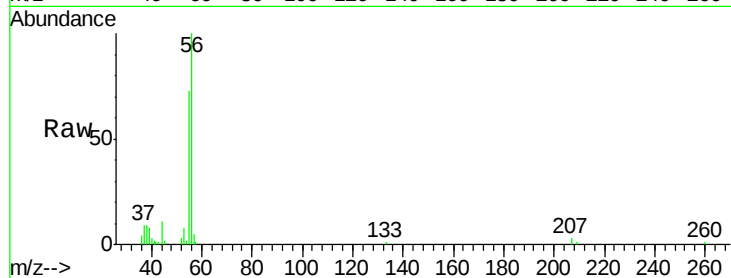
BFB

Tgt Ion: 56 Resp: 53108

Ion Ratio Lower Upper

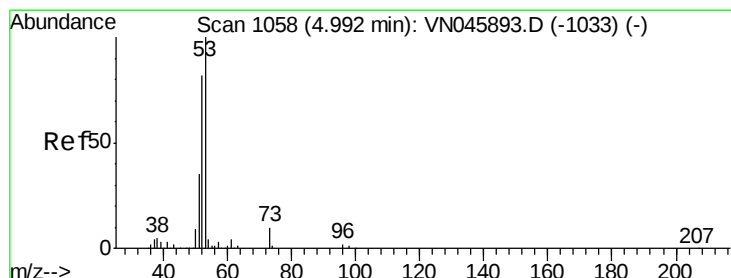
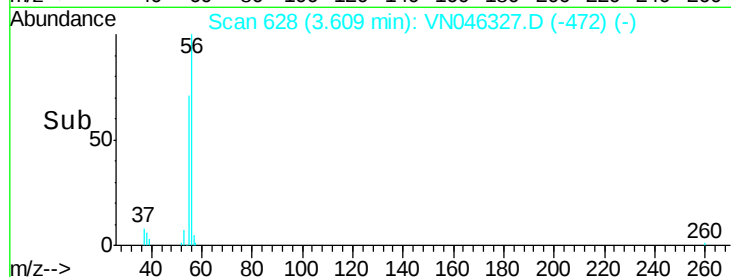
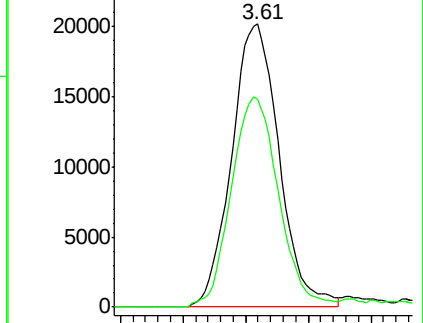
56 100

55 73.7 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN045893.D (-610) (-)

Ion 55.00 (54.70 to 55.70): VN045893.D (-610) (-)



#14

Acrylonitrile

Concen: 113.38 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

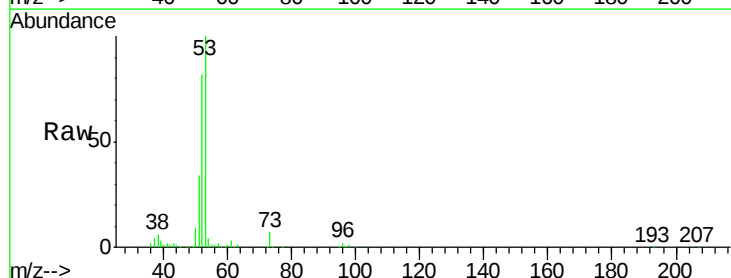
Tgt Ion: 53 Resp: 493195

Ion Ratio Lower Upper

53 100

52 82.3 40.9 122.7

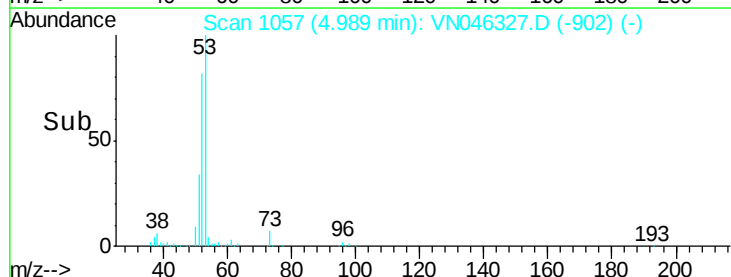
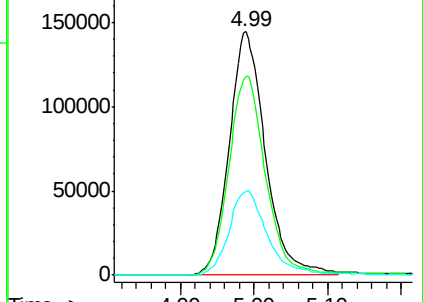
51 36.6 18.1 54.1

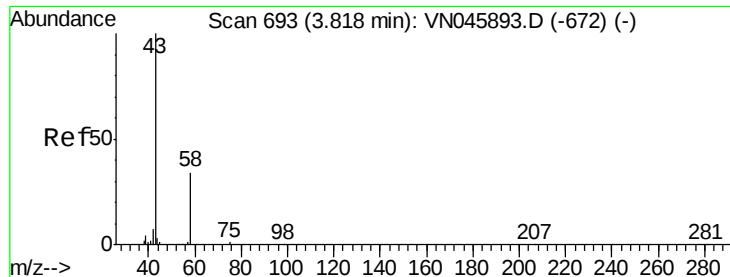


Abundance Ion 53.00 (52.70 to 53.70): VN045893.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN045893.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN045893.D (-1033) (-)





#15

Acetone

Concen: 143.36 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

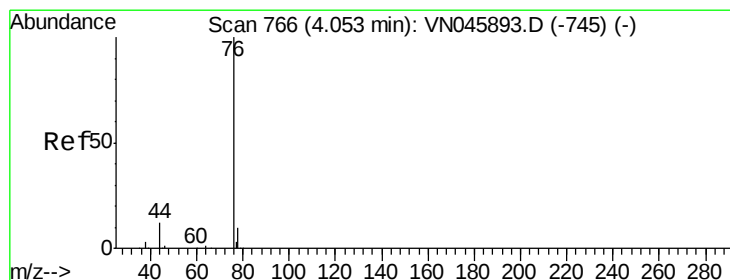
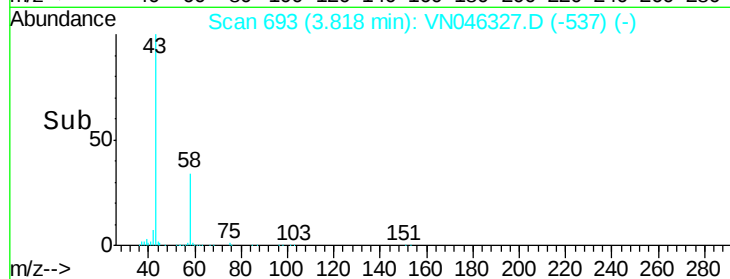
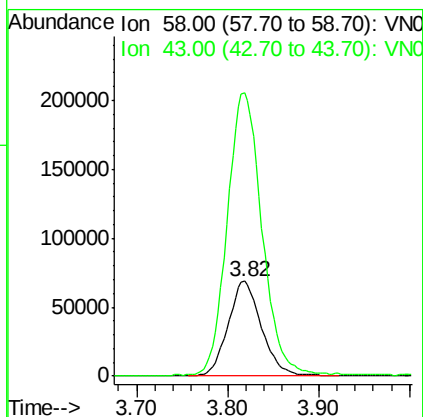
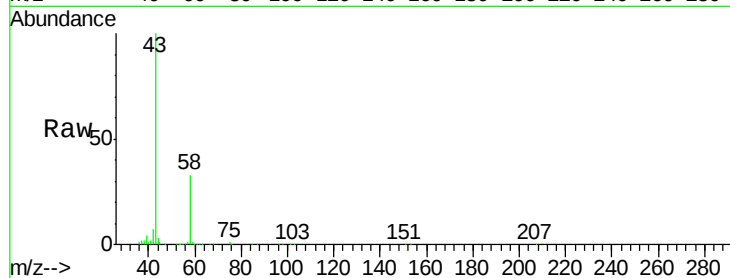
BFB

Tgt Ion: 58 Resp: 175915

Ion Ratio Lower Upper

58 100

43 298.1 235.0 352.6



#16

Carbon Disulfide

Concen: 17.52 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN046327.D

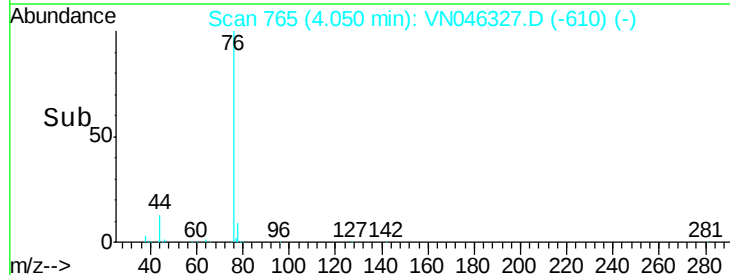
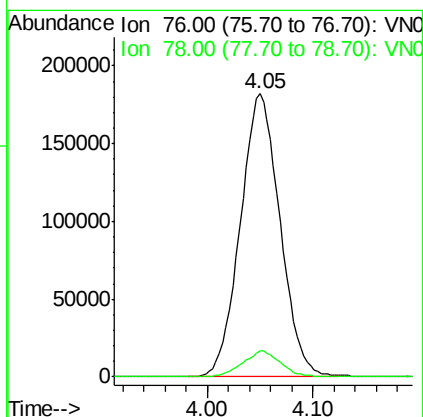
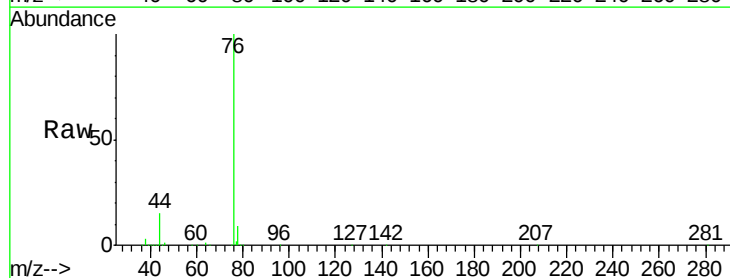
Acq: 5 Jan 2018 11:11

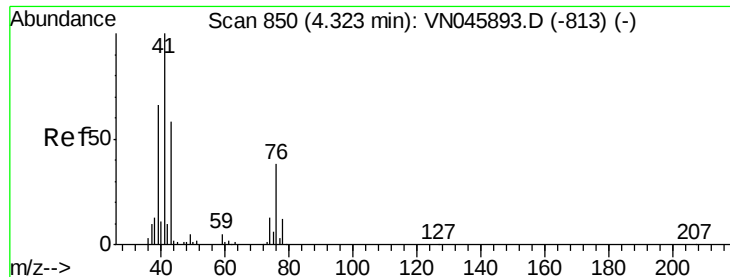
Tgt Ion: 76 Resp: 475847

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

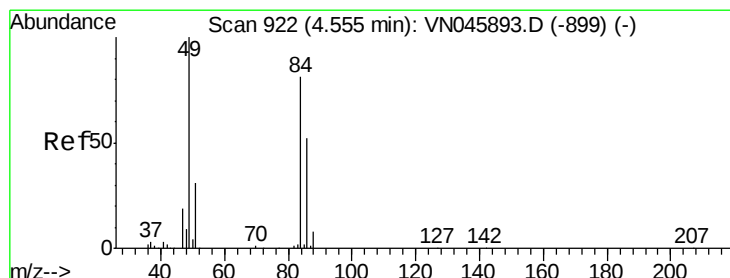
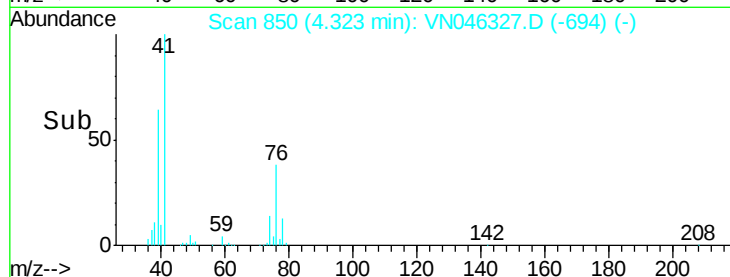
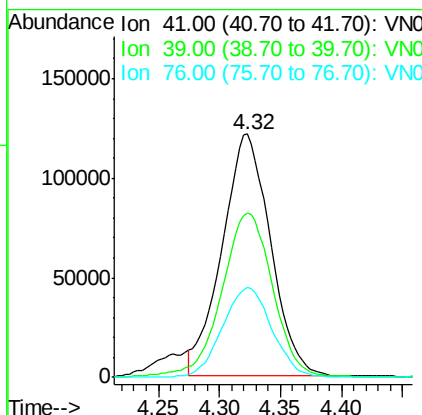
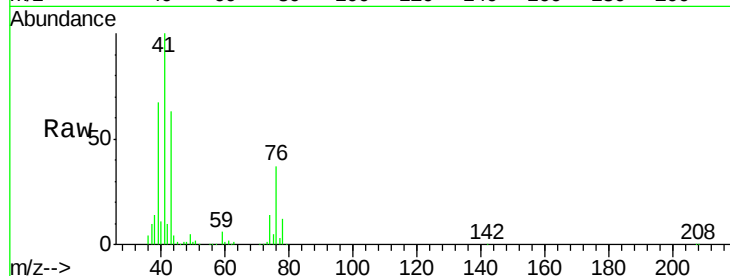




#17
 Allyl chloride
 Concen: 18.84 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

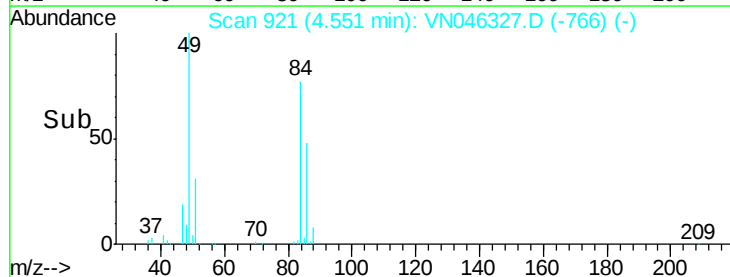
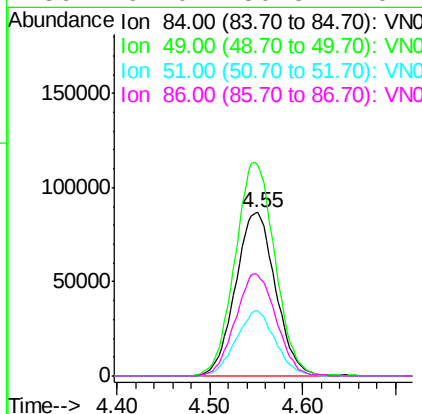
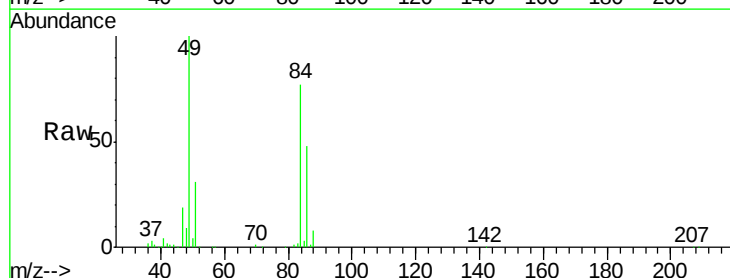
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

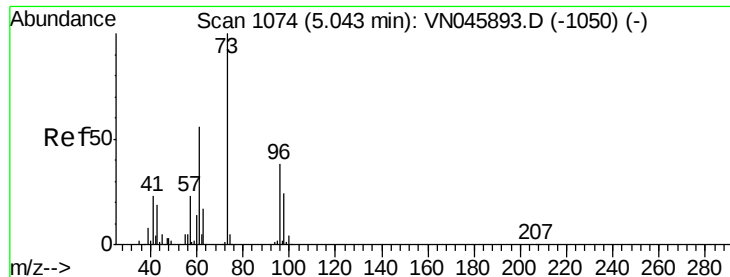
Tgt Ion: 41 Resp: 334877
 Ion Ratio Lower Upper
 41 100
 39 67.3 33.0 99.0
 76 36.9 18.9 56.7



#18
 Methylene Chloride
 Concen: 20.27 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion: 84 Resp: 260556
 Ion Ratio Lower Upper
 84 100
 49 128.9 98.5 147.7
 51 39.6 30.9 46.3
 86 62.0 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 20.87 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

BFB

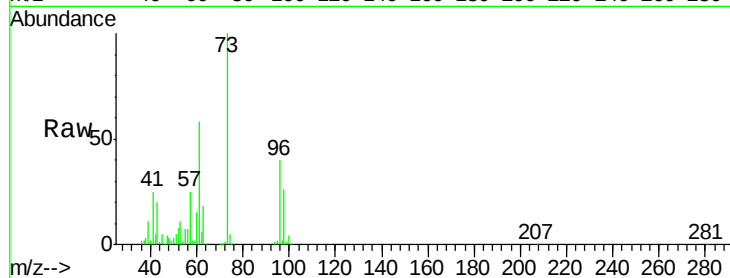
Tgt Ion: 96 Resp: 212353

Ion Ratio Lower Upper

96 100

61 144.7 118.7 178.1

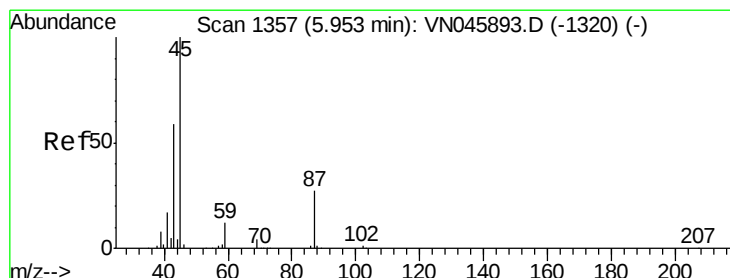
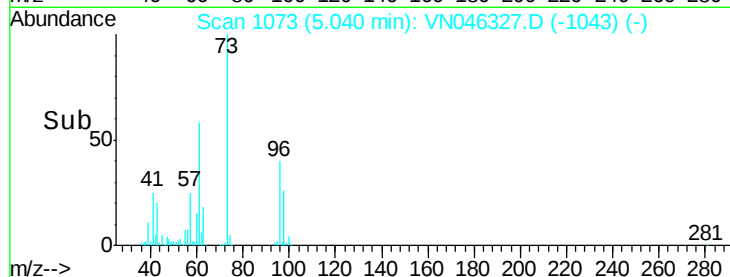
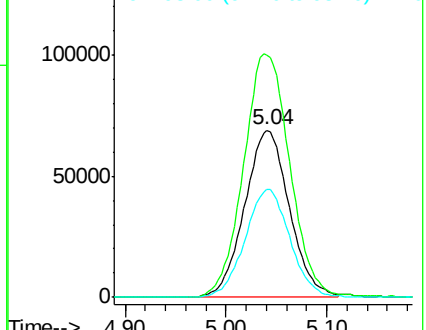
98 64.6 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VN046327.D (-1043) (-)

Ion 61.00 (60.70 to 61.70): VN046327.D (-1043) (-)

Ion 98.00 (97.70 to 98.70): VN046327.D (-1043) (-)



#20

Diisopropyl ether

Concen: 22.37 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Tgt Ion: 45 Resp: 875500

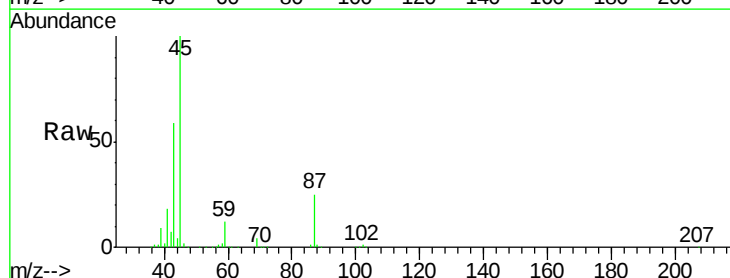
Ion Ratio Lower Upper

45 100

43 58.1 47.2 70.8

87 24.8 21.5 32.3

59 11.6 9.4 14.0

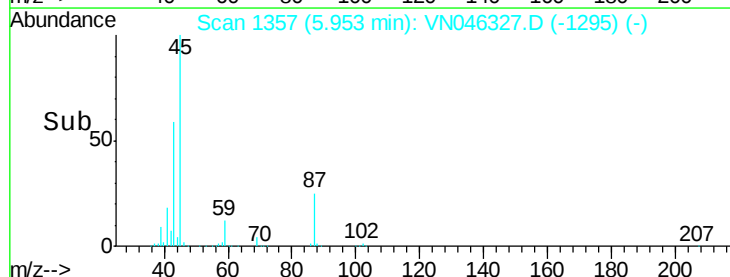
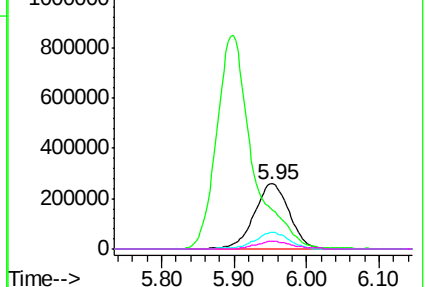


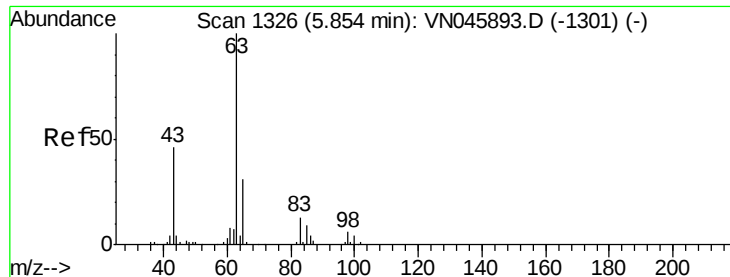
Abundance Ion 45.00 (44.70 to 45.70): VN046327.D (-1295) (-)

Ion 43.00 (42.70 to 43.70): VN046327.D (-1295) (-)

Ion 87.00 (86.70 to 87.70): VN046327.D (-1295) (-)

Ion 59.00 (58.70 to 59.70): VN046327.D (-1295) (-)





#21

1,1-Dichloroethane

Concen: 22.18 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

BFB

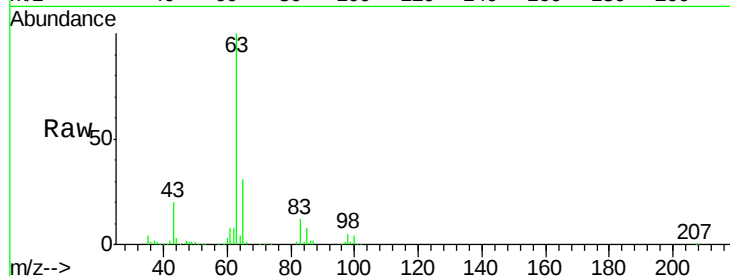
Tgt Ion: 63 Resp: 493327

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.7 1.9 5.7



Abundance Ion 63.00 (62.70 to 63.70): VN046327.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VN046327.D (-1170) (-)

Ion 100.00 (99.70 to 100.70): VN046327.D (-1170) (-)

5.85

200000

150000

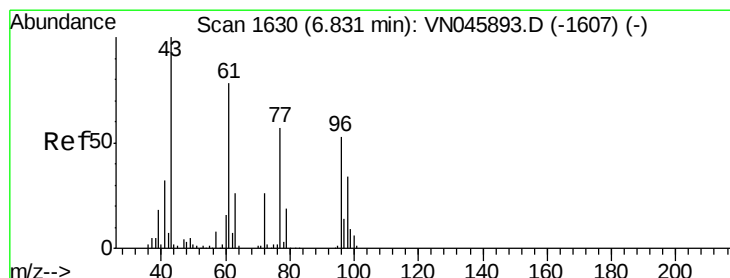
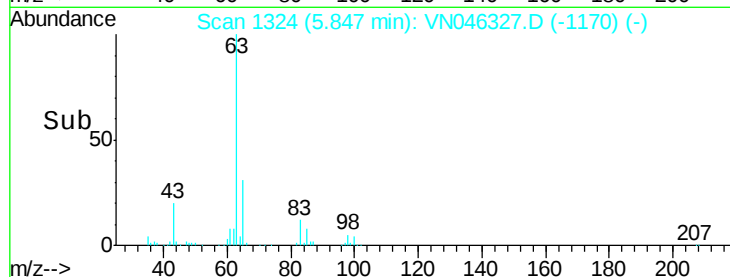
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.43 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

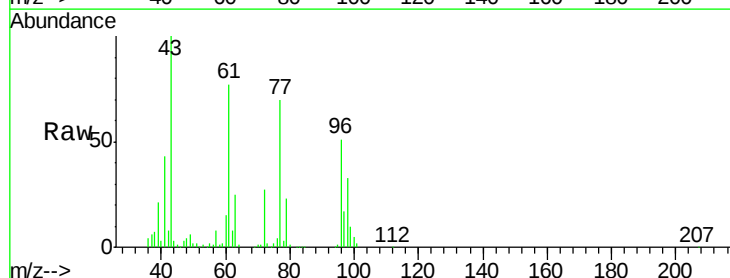
Tgt Ion: 96 Resp: 255719

Ion Ratio Lower Upper

96 100

61 157.9 121.3 181.9

98 65.3 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VN046327.D (-1474) (-)

Ion 61.00 (60.70 to 61.70): VN046327.D (-1474) (-)

Ion 98.00 (97.70 to 98.70): VN046327.D (-1474) (-)

6.83

150000

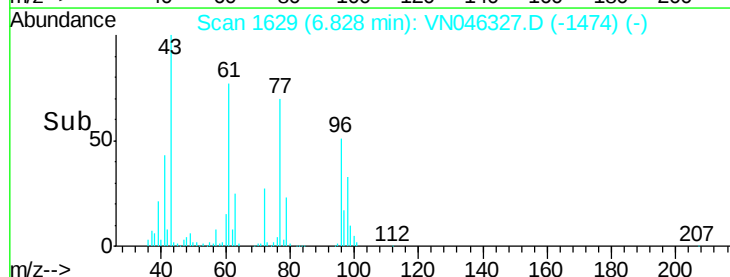
100000

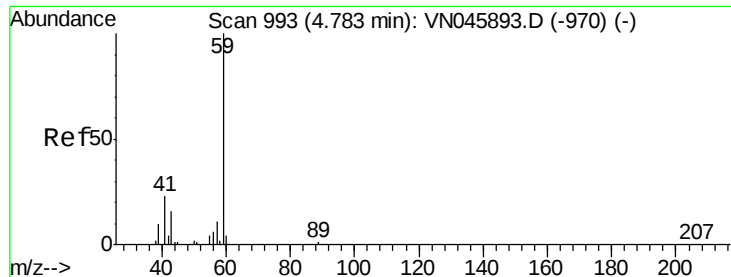
50000

0

6.70 6.80 6.90

Time-->





#23

tert-Butyl Alcohol

Concen: 112.38 ug/l

RT: 4.79 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

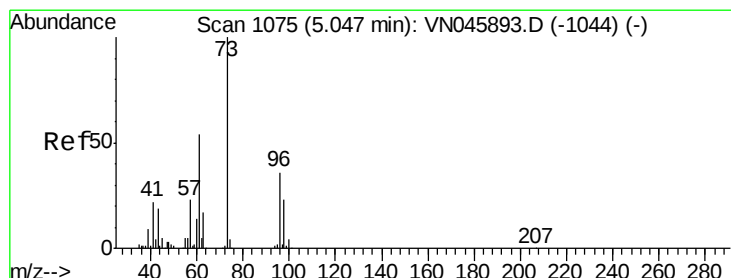
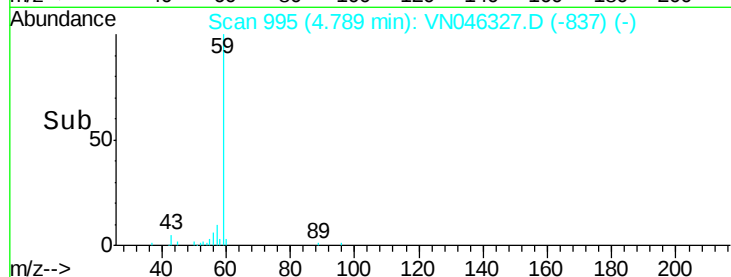
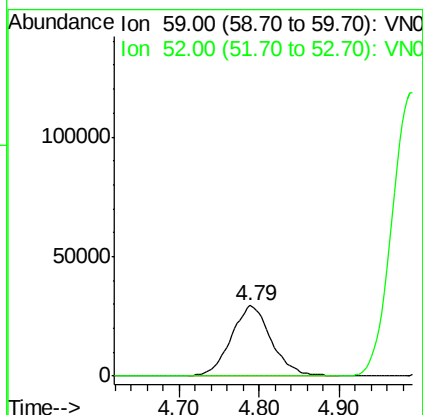
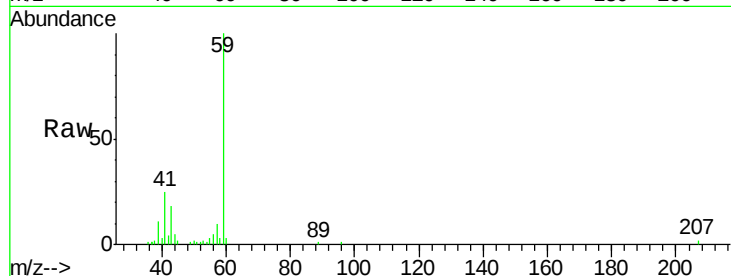
BFB

Tgt Ion: 59 Resp: 100599

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.48 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN046327.D

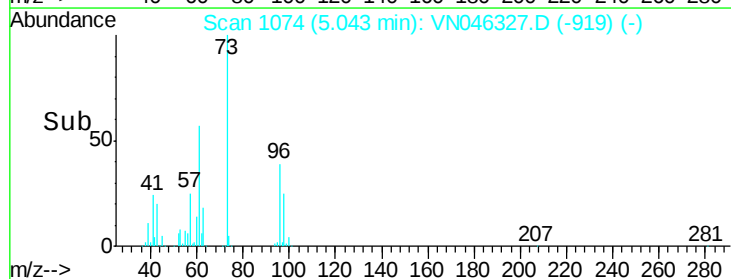
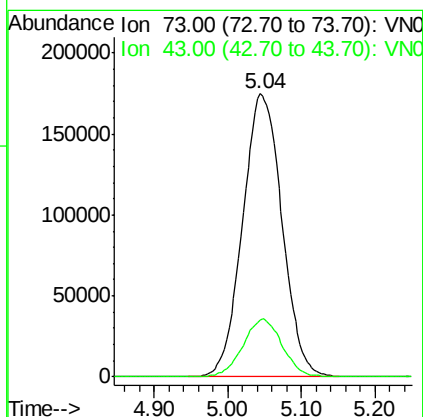
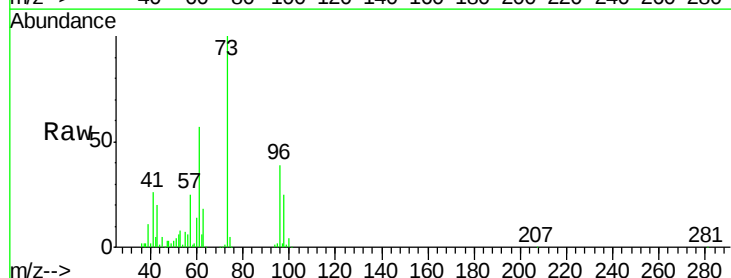
Acq: 5 Jan 2018 11:11

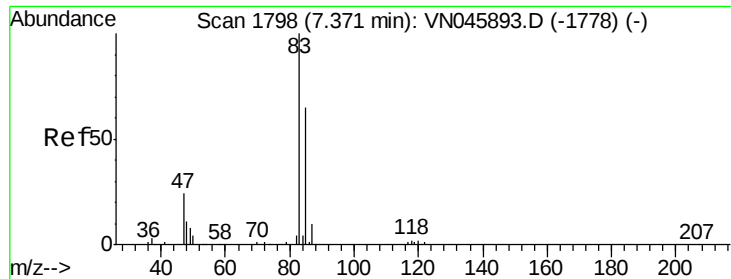
Tgt Ion: 73 Resp: 649539

Ion Ratio Lower Upper

73 100

43 20.1 15.3 22.9





#25

Chloroform

Concen: 22.23 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

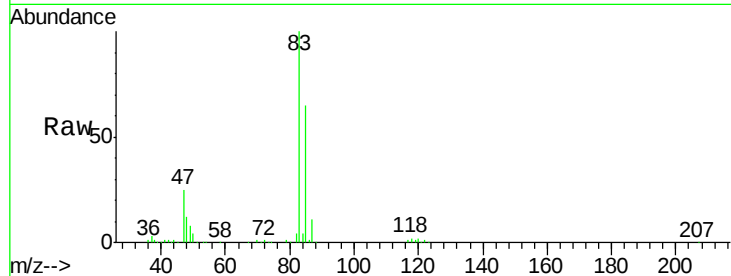
BFB

Tgt Ion: 83 Resp: 468718

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

200000

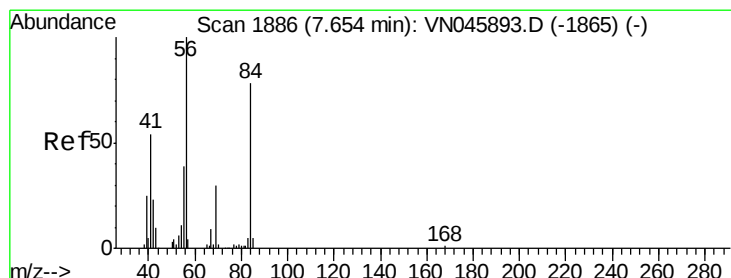
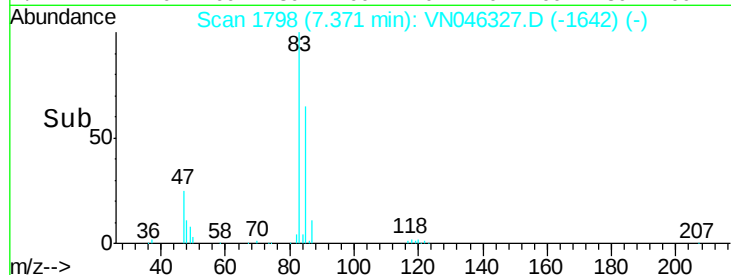
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 22.68 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

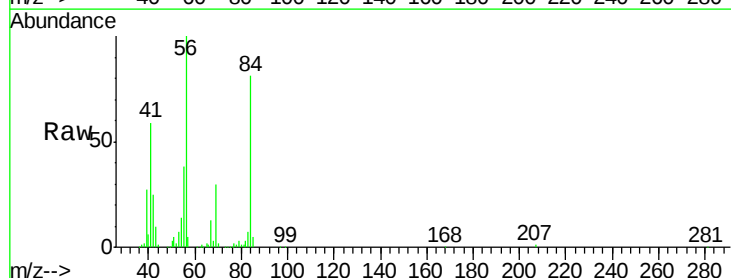
Tgt Ion: 56 Resp: 346063

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 81.3 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

250000

200000

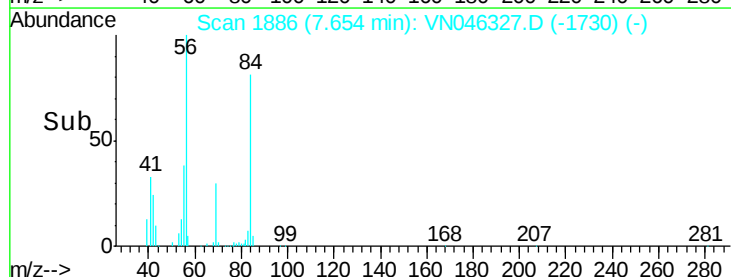
150000

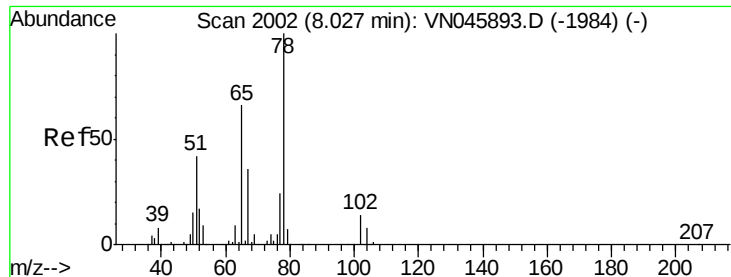
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 31.83 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

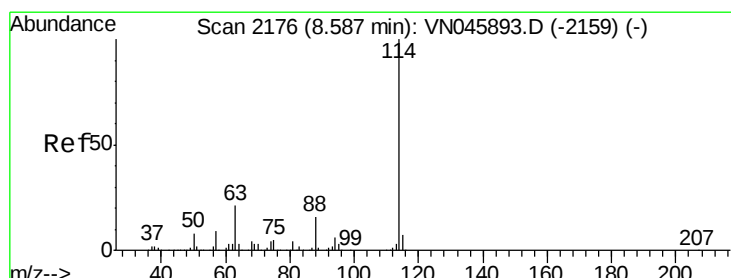
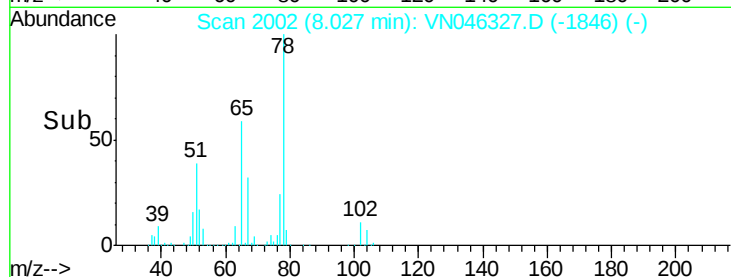
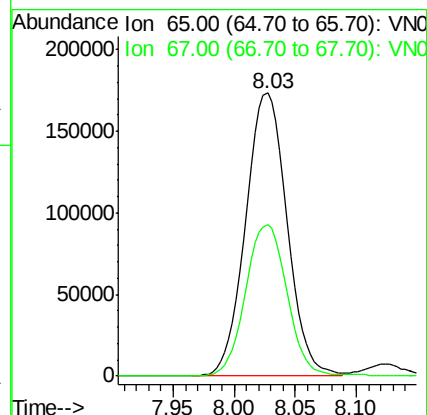
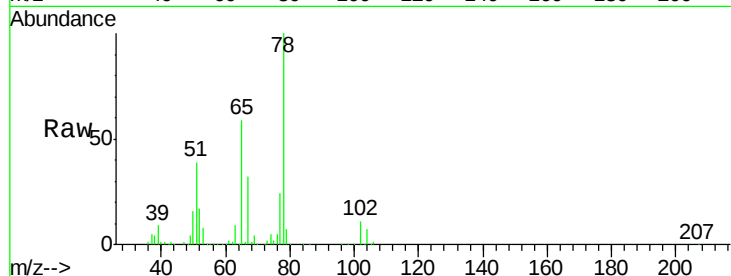
BFB

Tgt Ion: 65 Resp: 407177

Ion Ratio Lower Upper

65 100

67 53.6 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

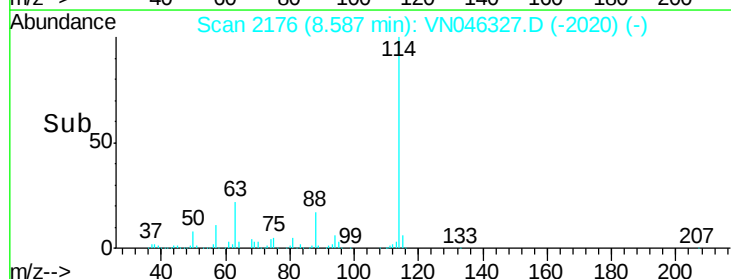
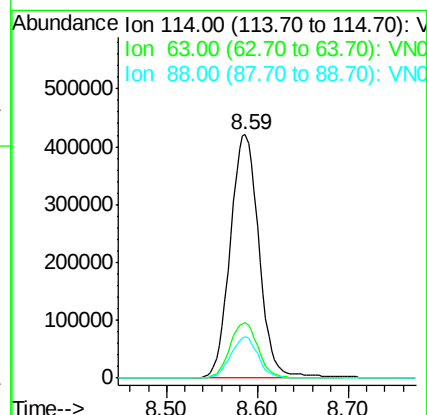
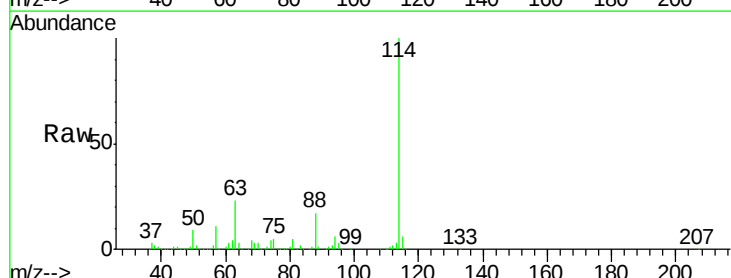
Tgt Ion: 114 Resp: 924473

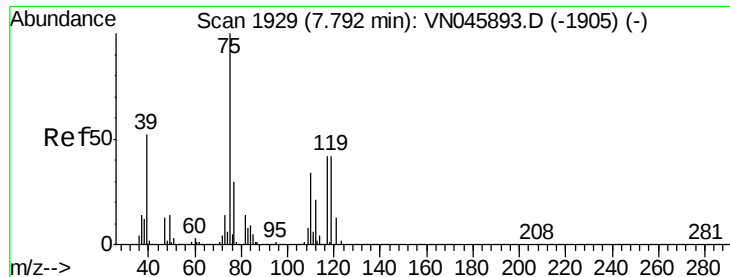
Ion Ratio Lower Upper

114 100

63 22.5 16.7 25.1

88 16.1 12.7 19.1

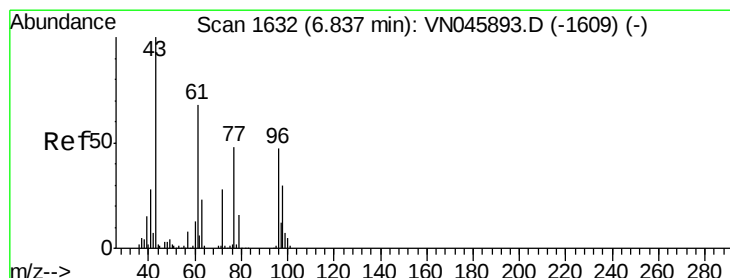
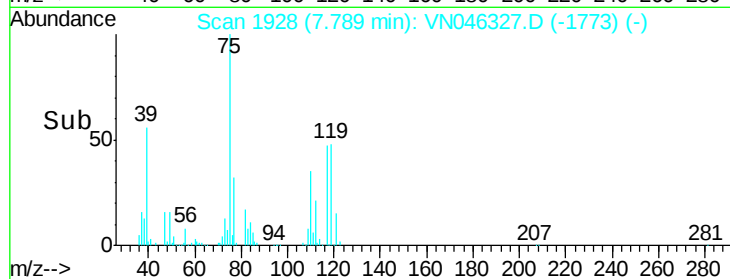
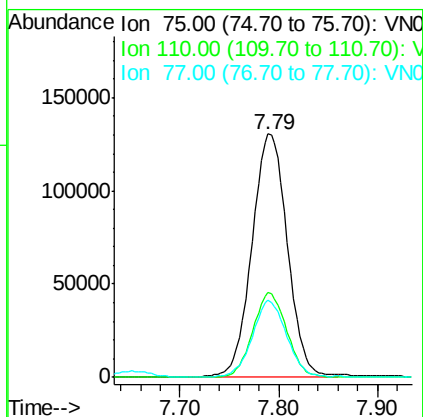
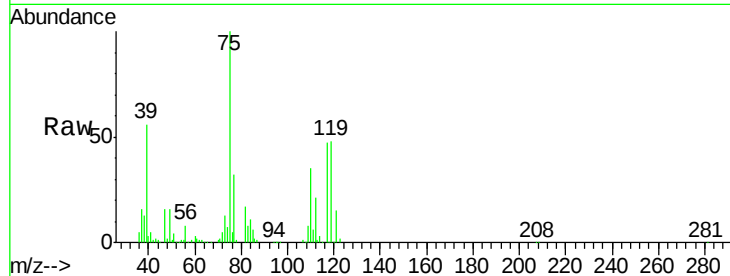




#29
 1,1-Dichloropropene
 Concen: 22.46 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

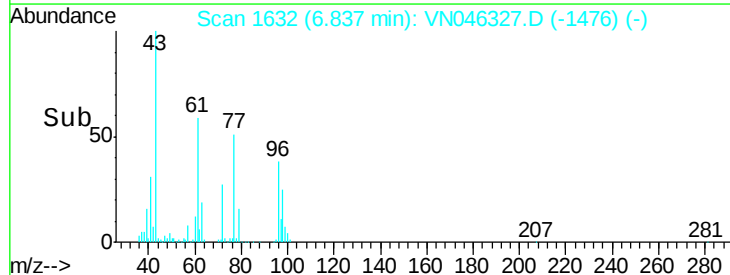
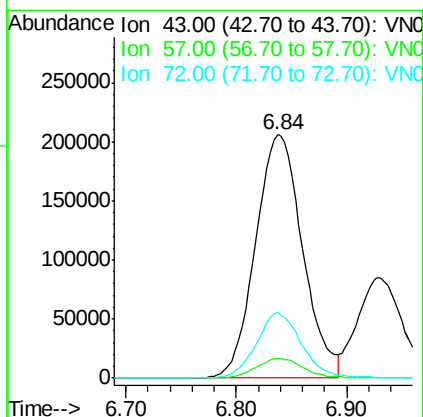
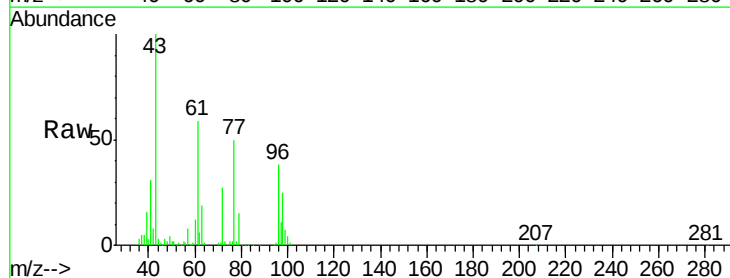
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

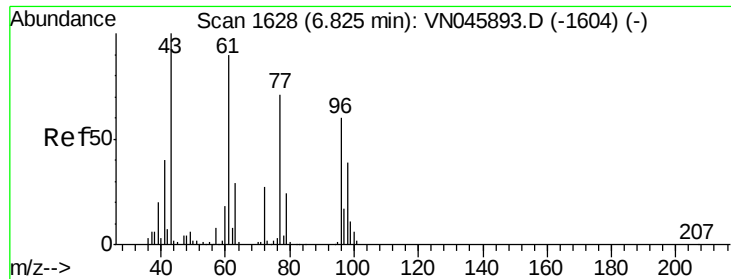
Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	67.0
77	30.3	0.0	60.6



#30
 2-Butanone
 Concen: 118.17 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.7	10.1
72	26.2	22.2	33.4





#31

2,2-Dichloropropane

Concen: 24.64 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

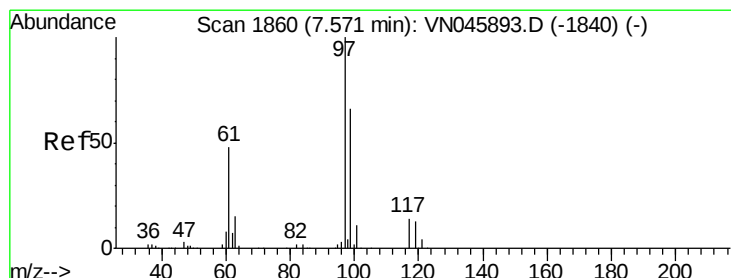
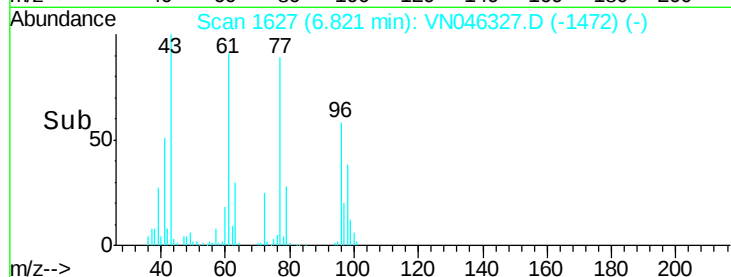
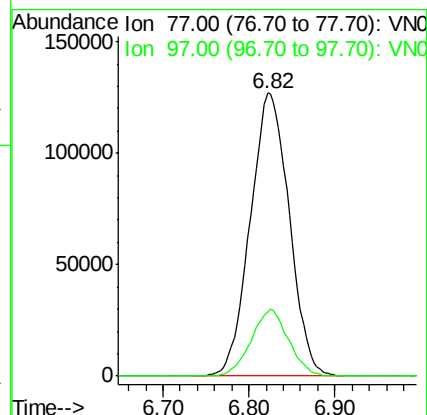
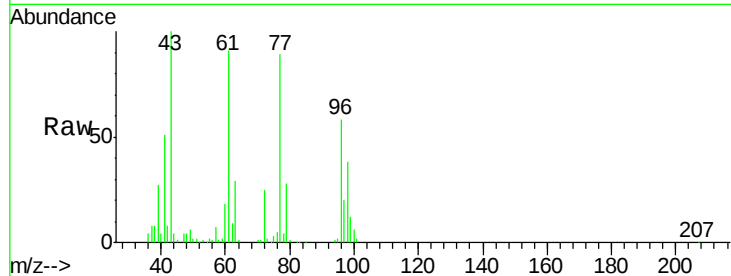
BFB

Tgt Ion: 77 Resp: 399749

Ion Ratio Lower Upper

77 100

97 22.6 18.8 28.2



#32

1,1,1-Trichloroethane

Concen: 22.93 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

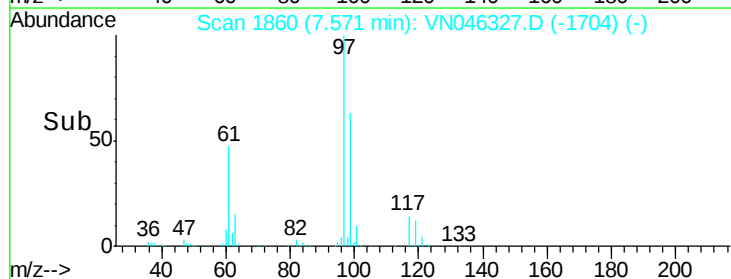
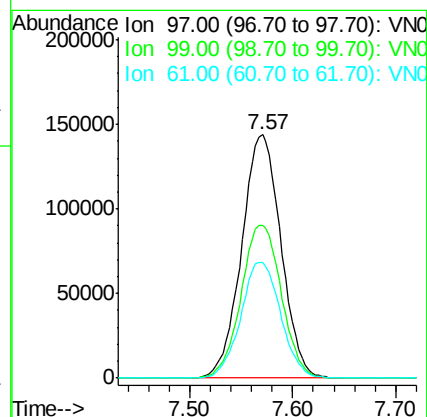
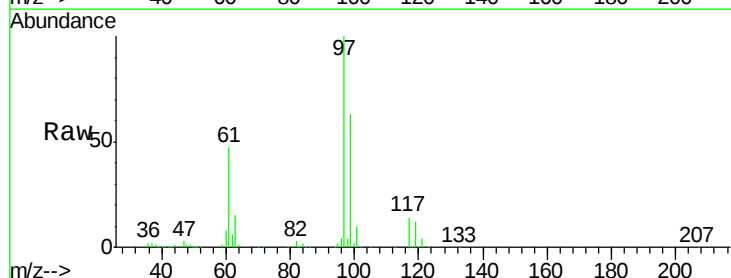
Tgt Ion: 97 Resp: 381081

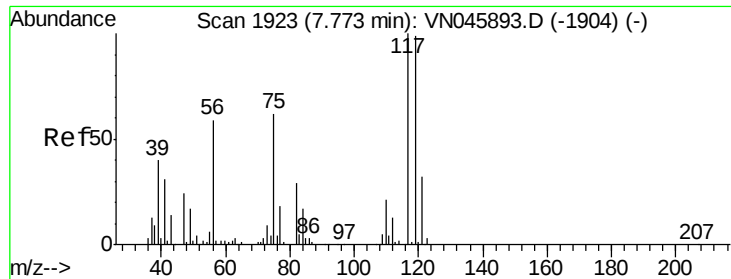
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 48.4 36.9 55.3

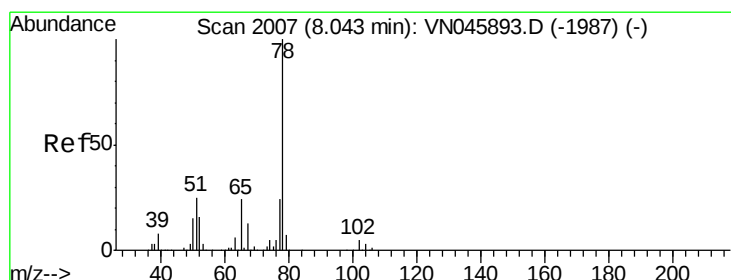
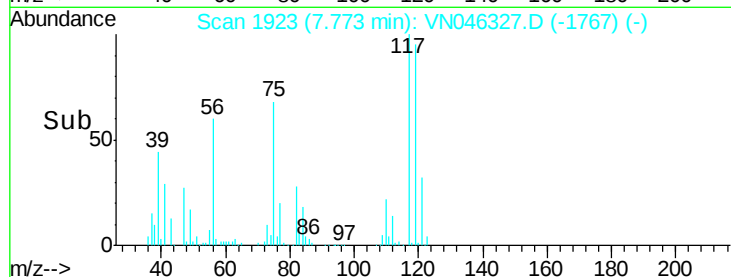
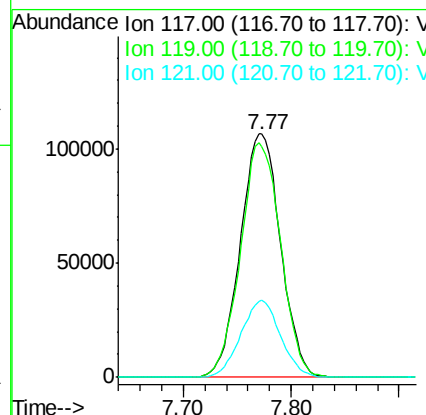
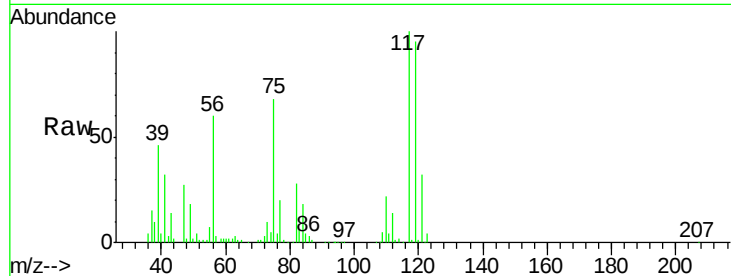




#33
Carbon Tetrachloride
Concen: 23.49 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

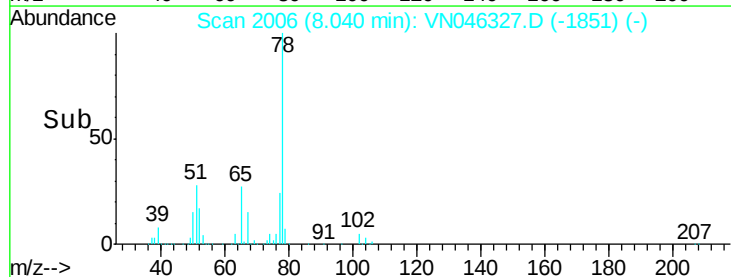
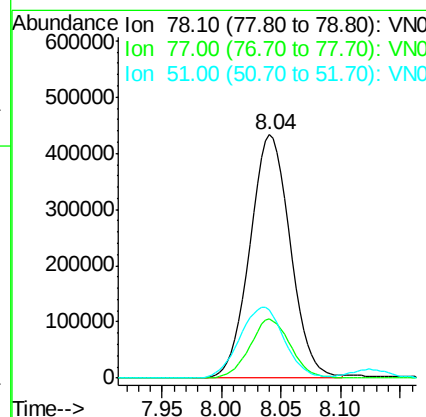
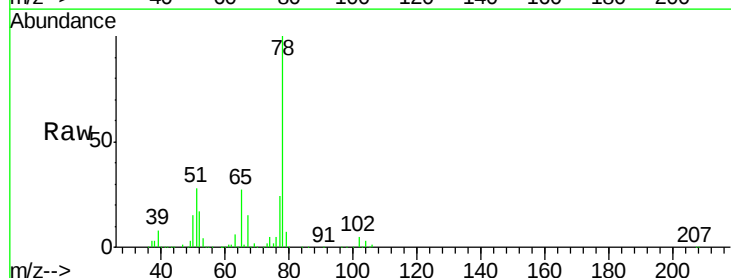
Instrument :
MSVOA_N
ClientSampleId :
BFB

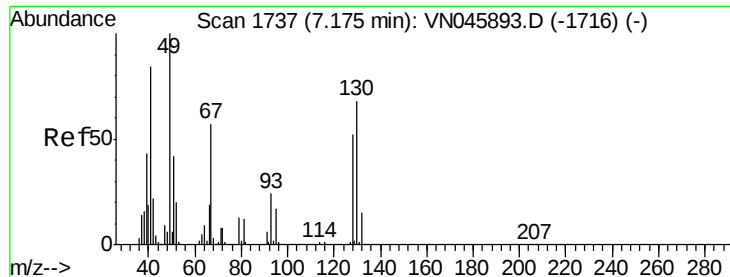
Tgt Ion: 117 Resp: 276371
Ion Ratio Lower Upper
117 100
119 94.8 79.3 118.9
121 31.5 25.7 38.5



#34
Benzene
Concen: 20.06 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 78 Resp: 1018221
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 27.8 19.8 29.8

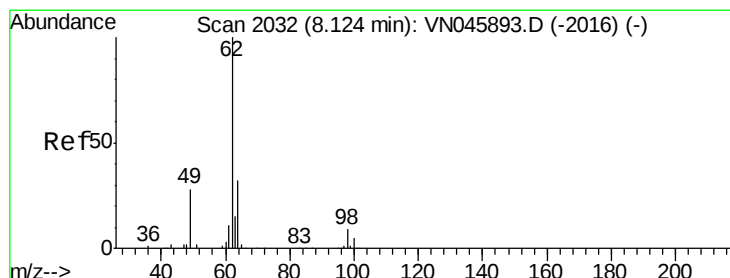
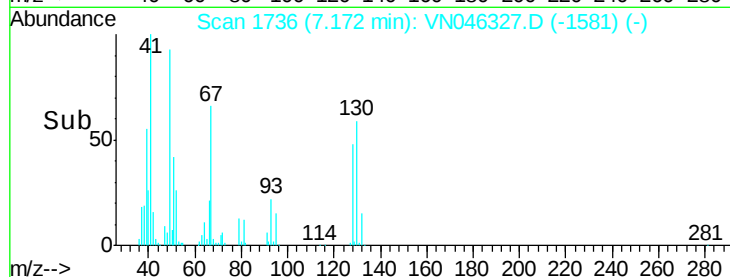
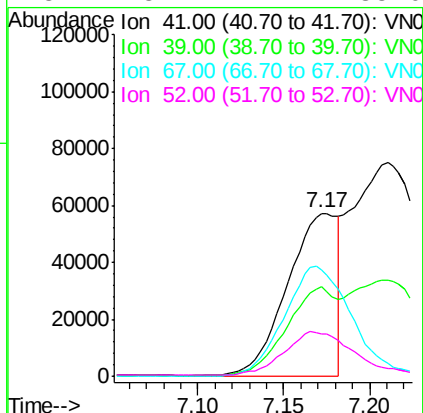
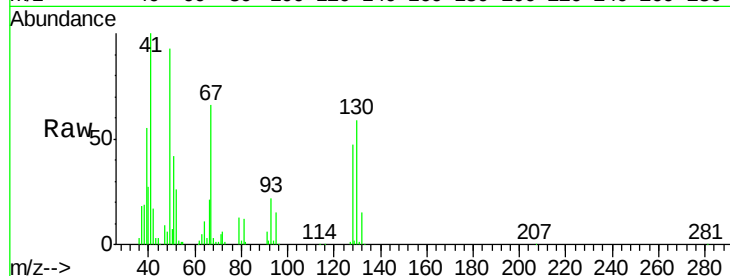




#35
Methacrylonitrile
Concen: 19.45 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

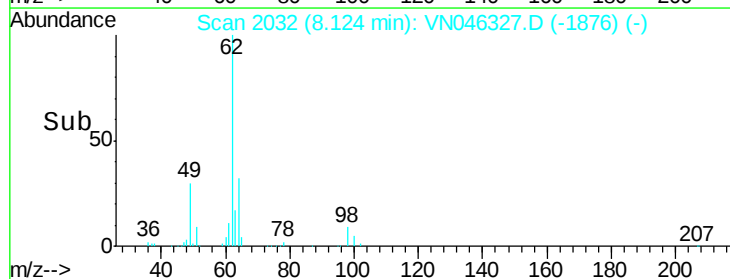
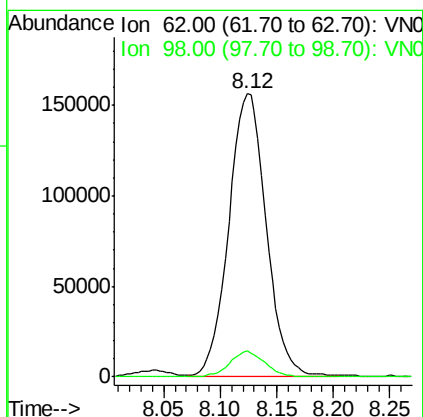
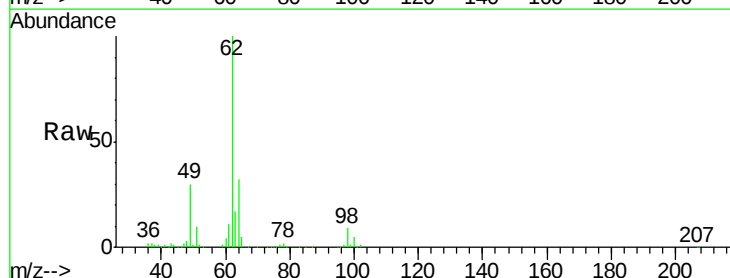
Instrument :
MSVOA_N
ClientSampleId :
BFB

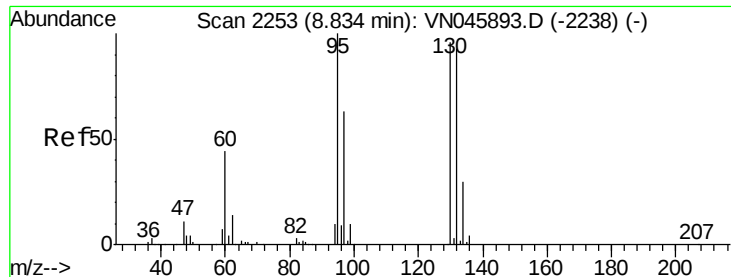
Tgt Ion: 41 Resp: 117163
Ion Ratio Lower Upper
41 100
39 54.4 25.4 76.0
67 65.6 33.8 101.3
52 25.4 11.7 35.0



#36
1,2-Dichloroethane
Concen: 20.95 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 62 Resp: 359852
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8





#37

Trichloroethene

Concen: 21.90 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

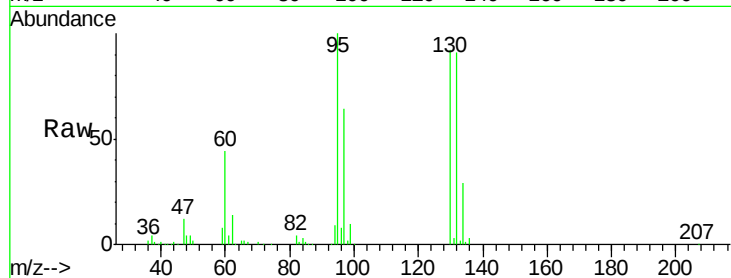
BFB

Tgt Ion:130 Resp: 251828

Ion Ratio Lower Upper

130 100

95 108.1 83.4 125.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

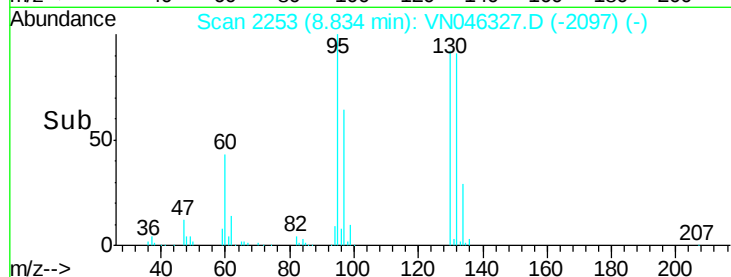
150000

100000

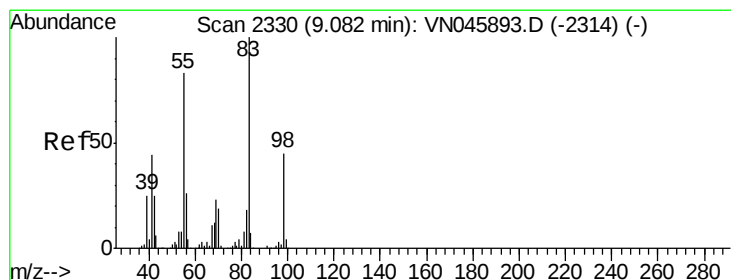
50000

0

8.75 8.80 8.85 8.90



Time-->



#38

Methylcyclohexane

Concen: 24.12 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

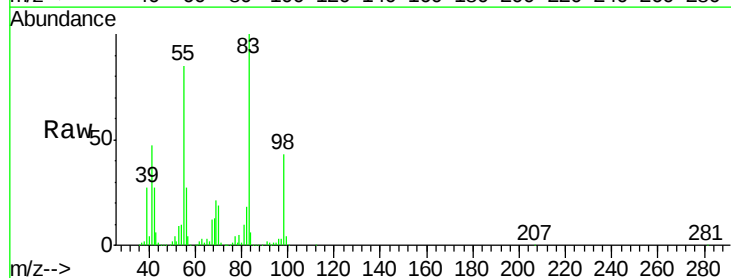
Tgt Ion: 83 Resp: 347107

Ion Ratio Lower Upper

83 100

55 84.9 41.3 123.9

98 43.9 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

200000

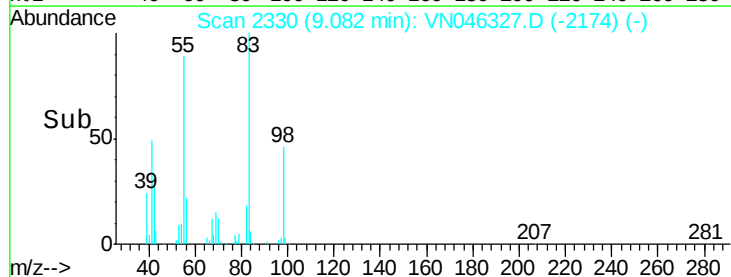
150000

100000

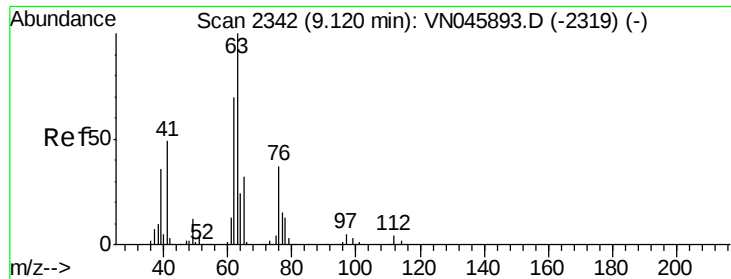
50000

0

9.00 9.10 9.20



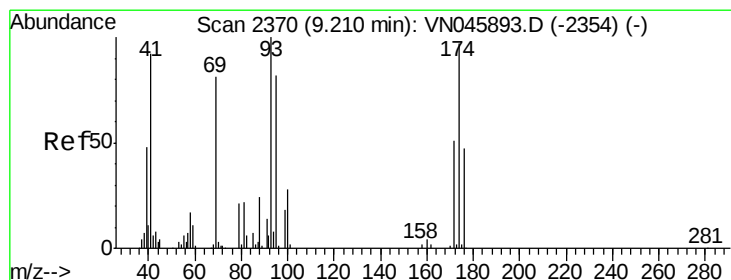
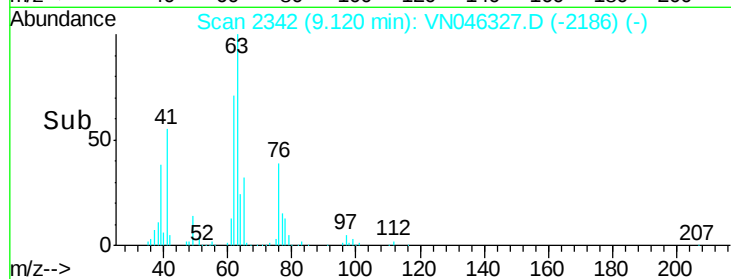
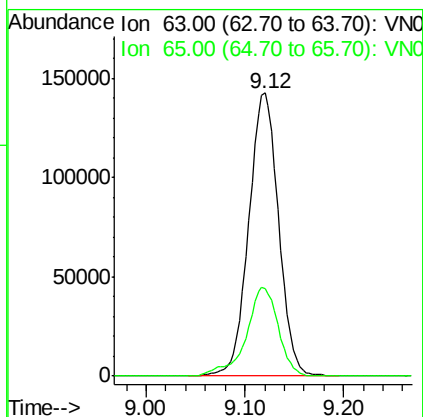
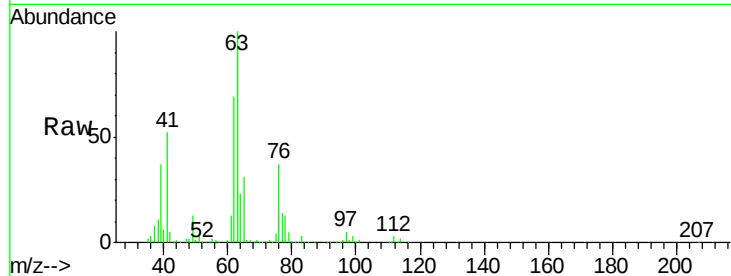
Time-->



#39
 1,2-Dichloropropane
 Concen: 20.79 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

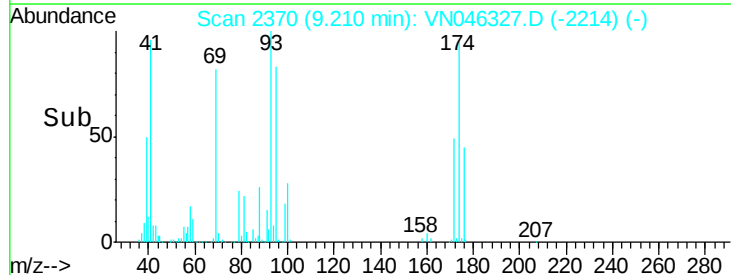
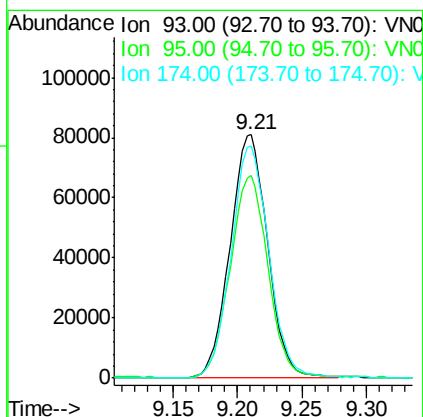
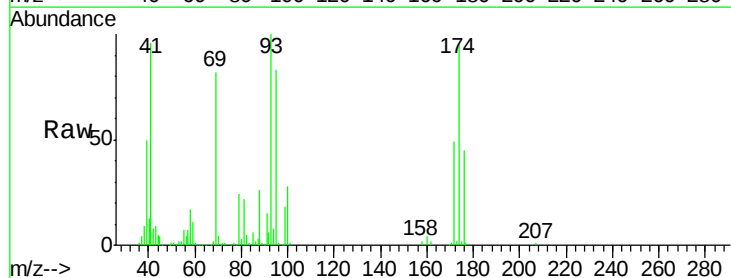
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

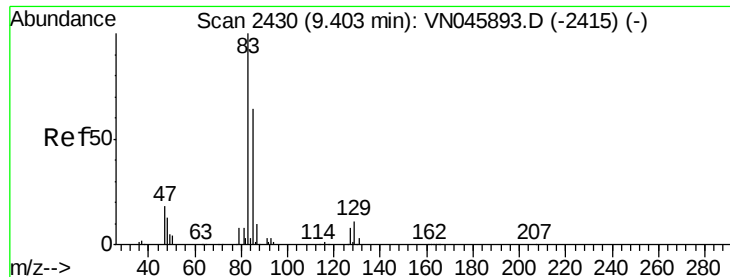
Tgt Ion: 63 Resp: 297680
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.8 38.6



#40
 Dibromomethane
 Concen: 20.51 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion: 93 Resp: 164328
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 164.2
 174 95.8 0.0 196.8





#41

Bromodichloromethane

Concen: 21.42 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

BFB

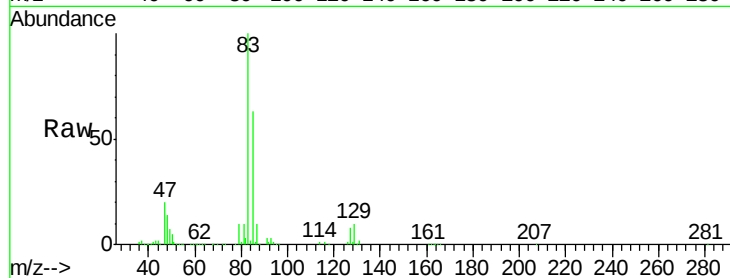
Tgt Ion: 83 Resp: 345462

Ion Ratio Lower Upper

83 100

85 63.1 50.9 76.3

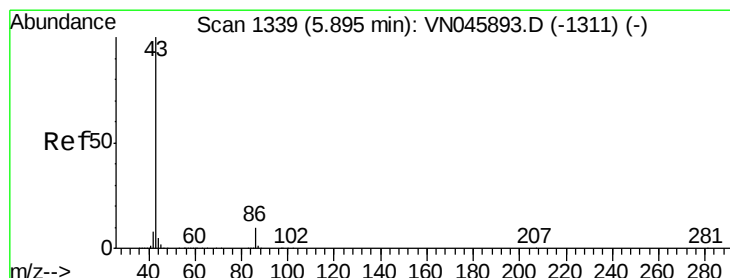
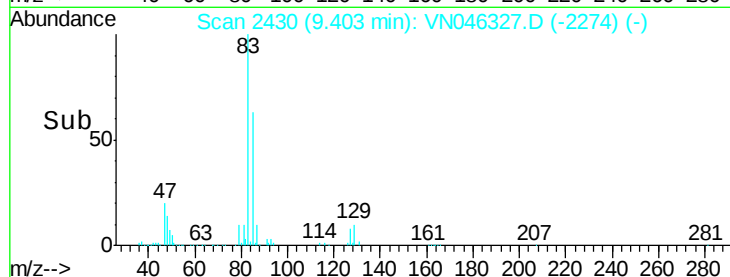
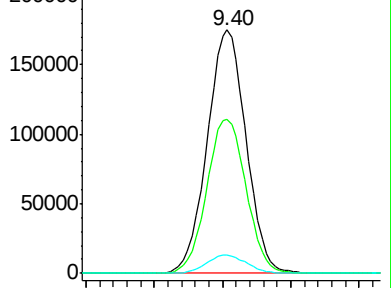
127 7.5 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VN046327.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN046327.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN046327.D (-2274) (-)



#42

Vinyl Acetate

Concen: 104.15 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN046327.D

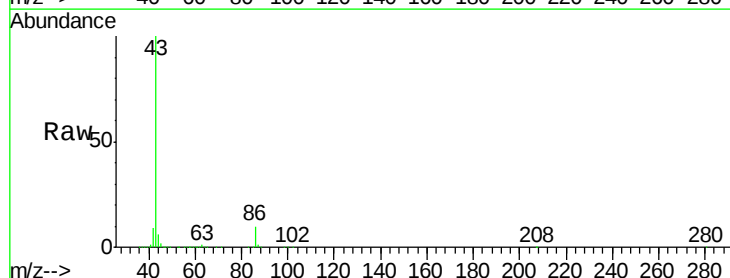
Acq: 5 Jan 2018 11:11

Tgt Ion: 43 Resp: 2899381

Ion Ratio Lower Upper

43 100

86 8.2 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN046327.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN046327.D (-1183) (-)

Ion 102.00 (101.70 to 102.70): VN046327.D (-1183) (-)

Ion 208.00 (207.70 to 208.70): VN046327.D (-1183) (-)

Ion 280.00 (279.70 to 280.70): VN046327.D (-1183) (-)

Ion 282.00 (281.70 to 282.70): VN046327.D (-1183) (-)

Ion 284.00 (283.70 to 284.70): VN046327.D (-1183) (-)

Ion 286.00 (285.70 to 286.70): VN046327.D (-1183) (-)

Ion 288.00 (287.70 to 288.70): VN046327.D (-1183) (-)

Ion 290.00 (289.70 to 290.70): VN046327.D (-1183) (-)

Ion 292.00 (291.70 to 292.70): VN046327.D (-1183) (-)

Ion 294.00 (293.70 to 294.70): VN046327.D (-1183) (-)

Ion 296.00 (295.70 to 296.70): VN046327.D (-1183) (-)

Ion 298.00 (297.70 to 298.70): VN046327.D (-1183) (-)

Ion 300.00 (299.70 to 300.70): VN046327.D (-1183) (-)

Ion 302.00 (301.70 to 302.70): VN046327.D (-1183) (-)

Ion 304.00 (303.70 to 304.70): VN046327.D (-1183) (-)

Ion 306.00 (305.70 to 306.70): VN046327.D (-1183) (-)

Ion 308.00 (307.70 to 308.70): VN046327.D (-1183) (-)

Ion 310.00 (309.70 to 310.70): VN046327.D (-1183) (-)

Ion 312.00 (311.70 to 312.70): VN046327.D (-1183) (-)

Ion 314.00 (313.70 to 314.70): VN046327.D (-1183) (-)

Ion 316.00 (315.70 to 316.70): VN046327.D (-1183) (-)

Ion 318.00 (317.70 to 318.70): VN046327.D (-1183) (-)

Ion 320.00 (319.70 to 320.70): VN046327.D (-1183) (-)

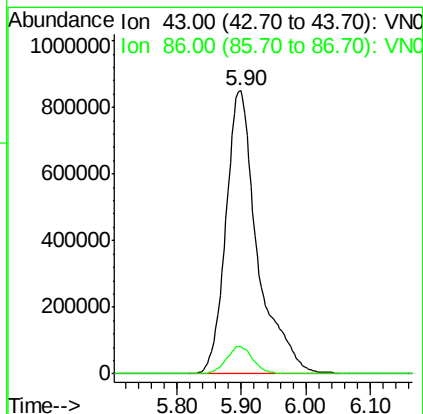
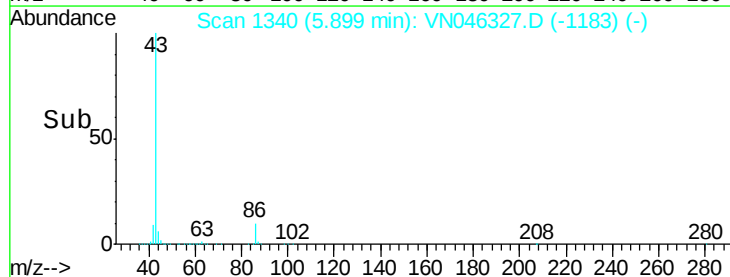
Ion 322.00 (321.70 to 322.70): VN046327.D (-1183) (-)

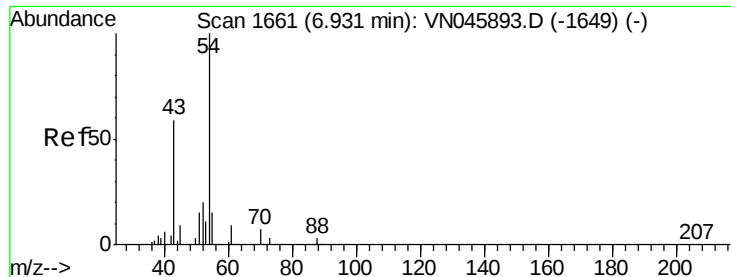
Ion 324.00 (323.70 to 324.70): VN046327.D (-1183) (-)

Ion 326.00 (325.70 to 326.70): VN046327.D (-1183) (-)

Ion 328.00 (327.70 to 328.70): VN046327.D (-1183) (-)

Ion 330.00 (329.70 to 330.70): VN046327.D (-1183) (-)

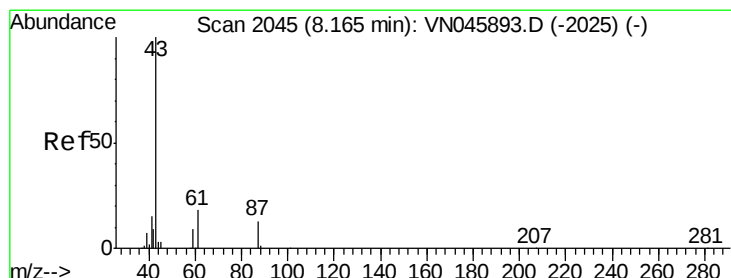
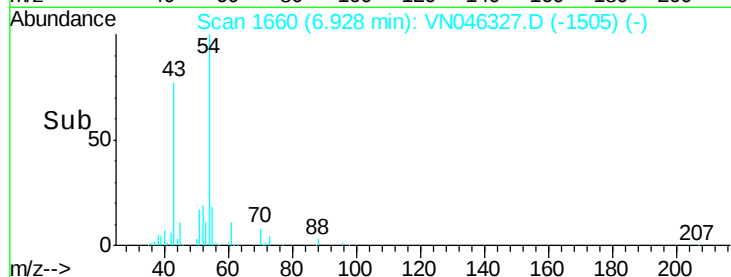
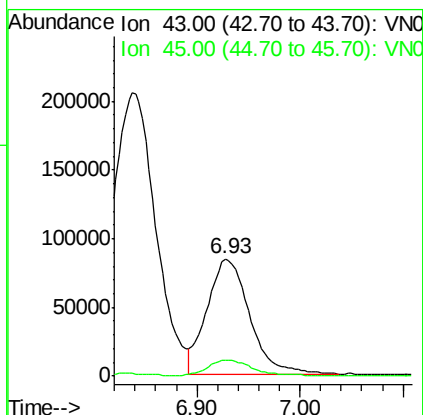
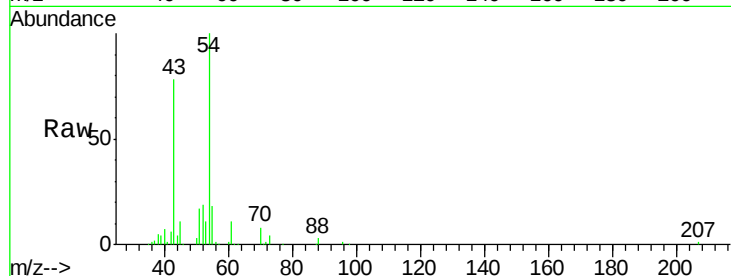




#43
Ethyl Acetate
Concen: 21.81 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

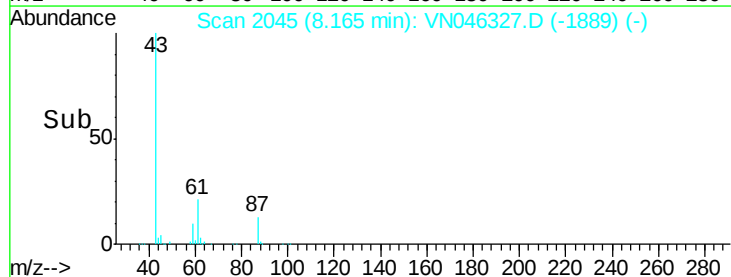
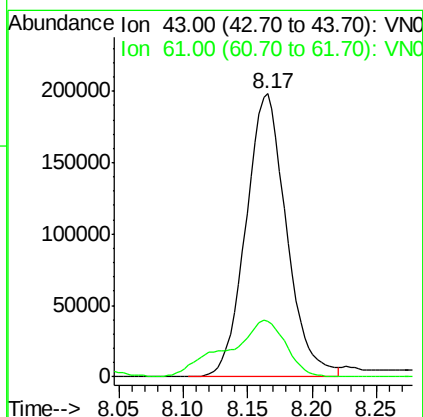
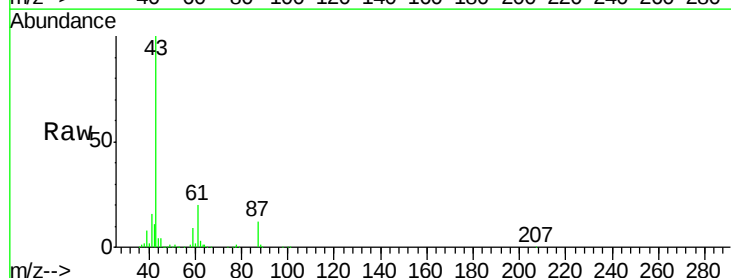
Instrument :
MSVOA_N
ClientSampled :
BFB

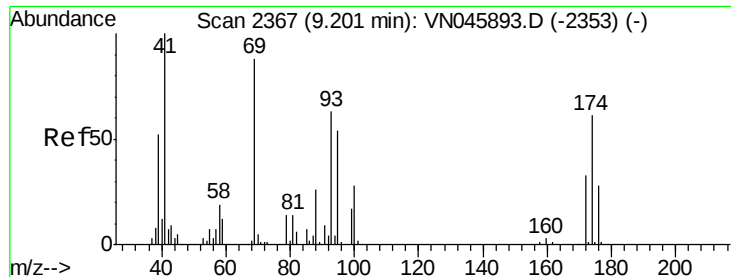
Tgt Ion: 43 Resp: 242048
Ion Ratio Lower Upper
43 100
45 13.0 9.8 14.8



#44
Isopropyl Acetate
Concen: 21.90 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 43 Resp: 433427
Ion Ratio Lower Upper
43 100
61 29.1 15.8 23.8#

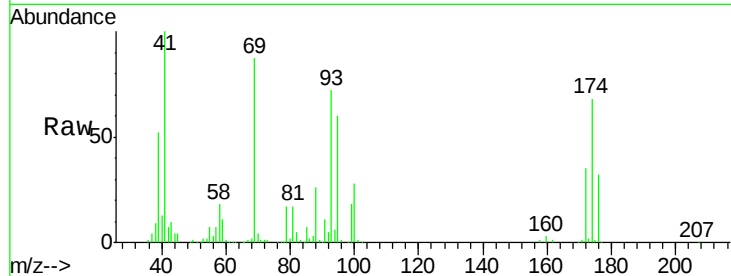




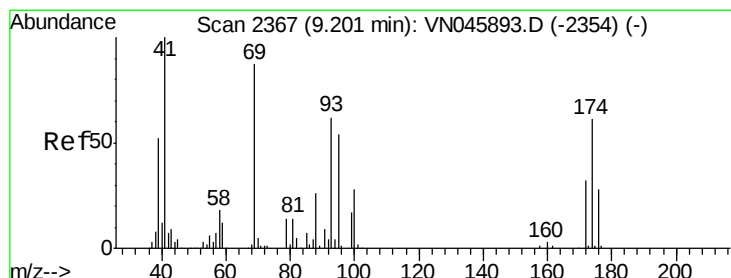
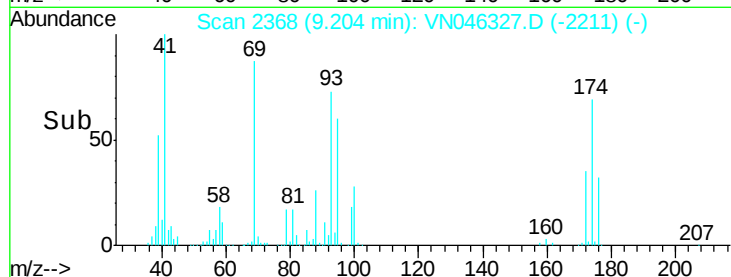
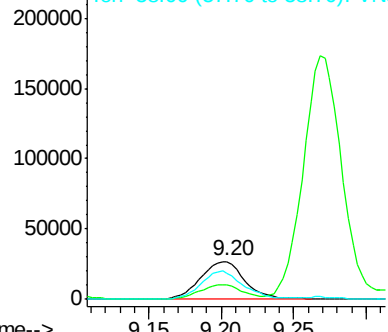
#45
 1,4-Dioxane
 Concen: 433.58 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tgt Ion: 88 Resp: 57358
 Ion Ratio Lower Upper
 88 100
 43 35.1 27.3 40.9
 58 70.7 60.2 90.4

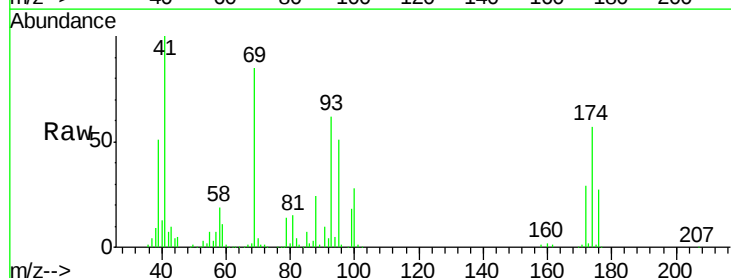


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

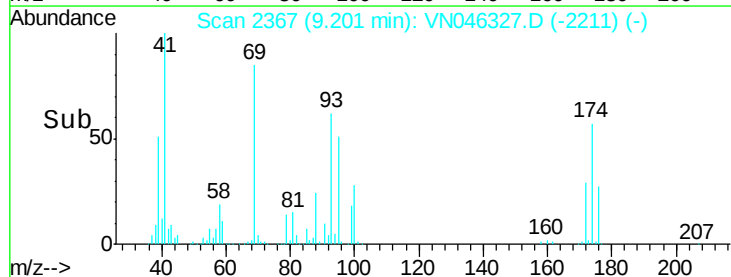
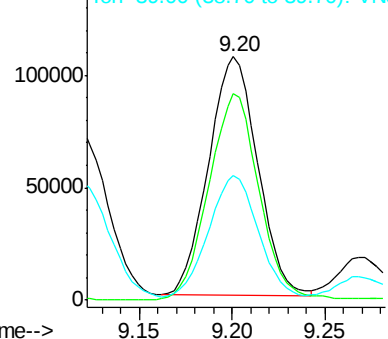


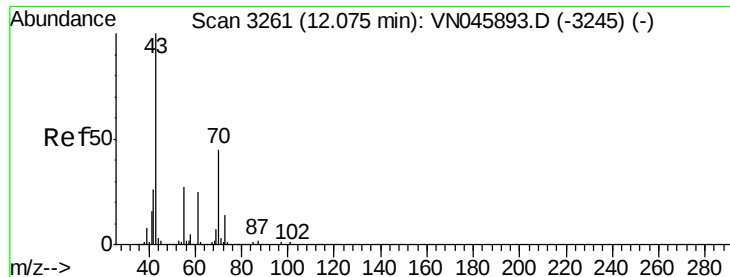
#46
 Methyl methacrylate
 Concen: 20.38 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion: 41 Resp: 196337
 Ion Ratio Lower Upper
 41 100
 69 86.2 43.5 130.4
 39 50.9 26.1 78.2



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

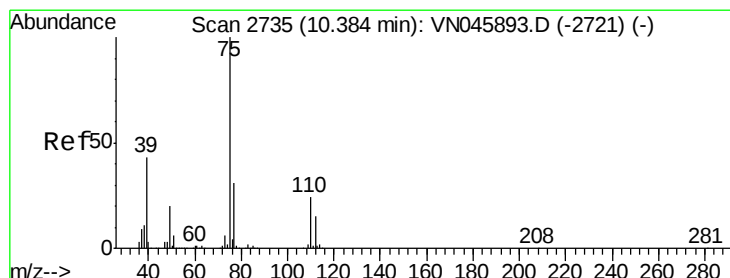
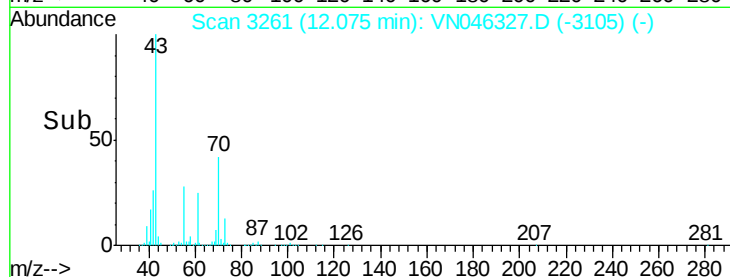
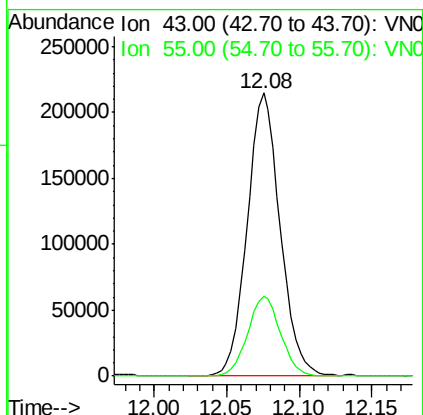
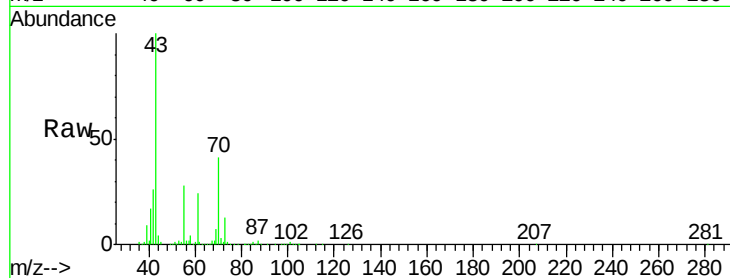




#47
 n-amy1 Acetate
 Concen: 21.46 ug/l
 RT: 12.08 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

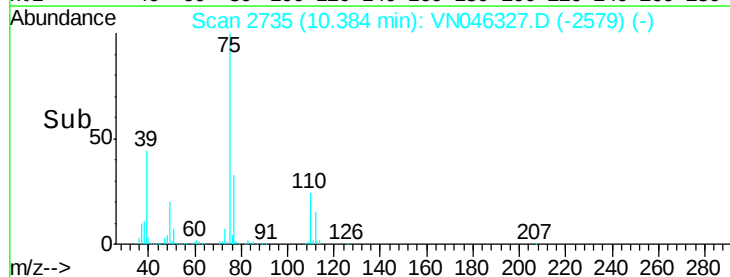
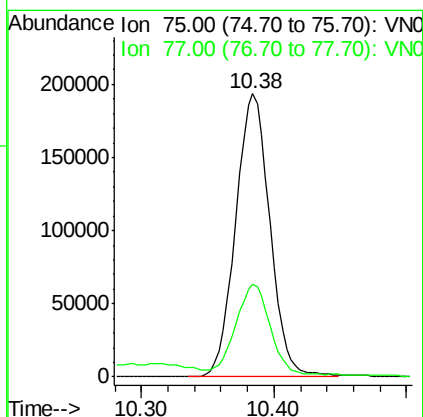
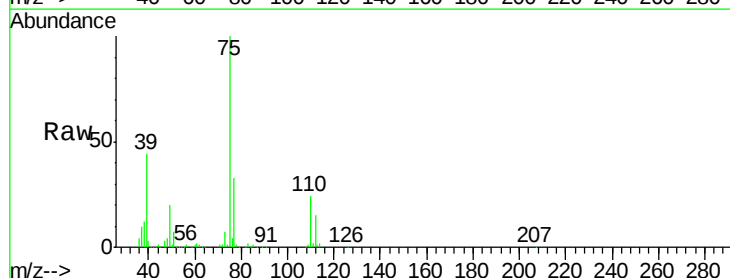
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

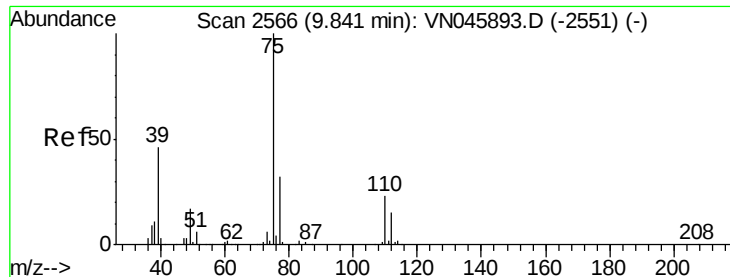
Tgt Ion: 43 Resp: 340124
 Ion Ratio Lower Upper
 43 100
 55 28.2 21.4 32.2



#48
 t-1,3-Dichloropropene
 Concen: 20.32 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion: 75 Resp: 346434
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



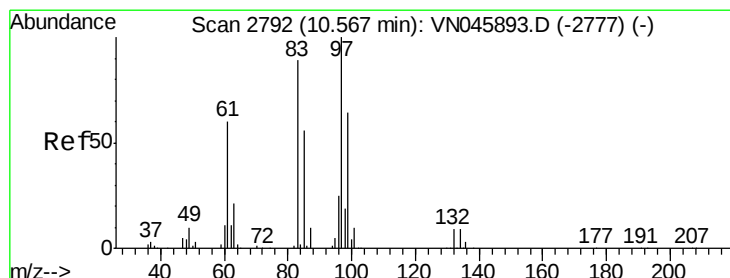
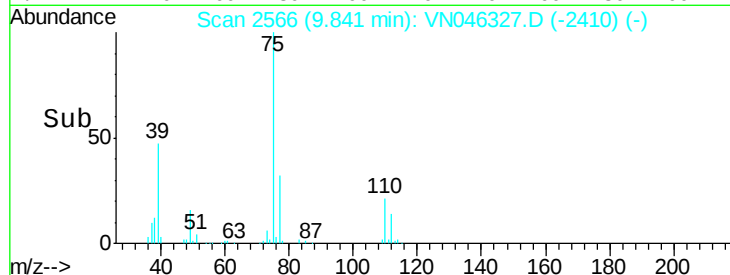
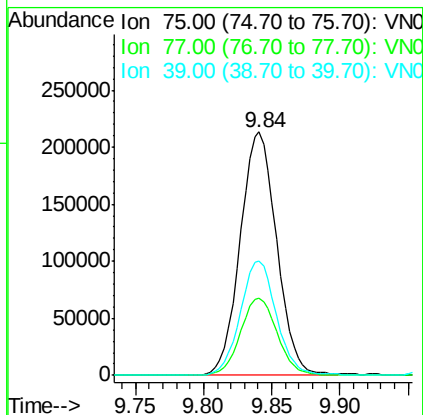
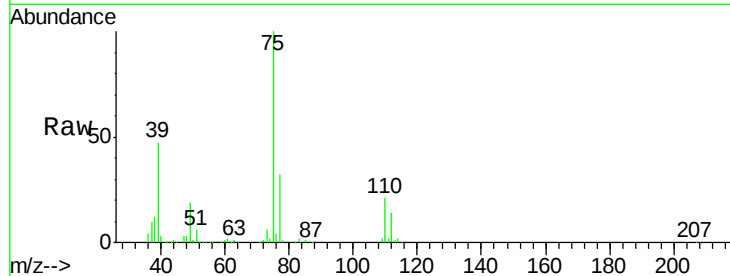


#49

cis-1,3-Dichloropropene
Concen: 19.89 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
BFB

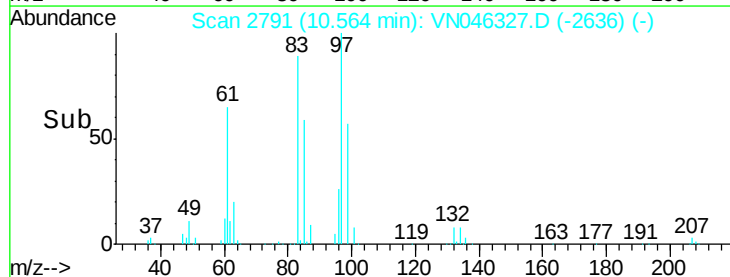
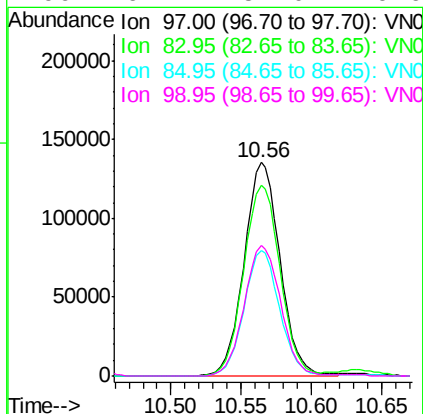
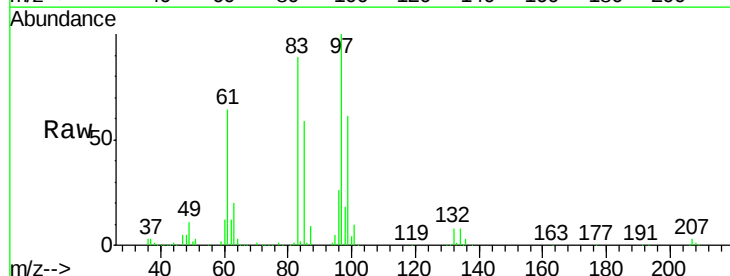
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2
39	47.0	36.4	54.6

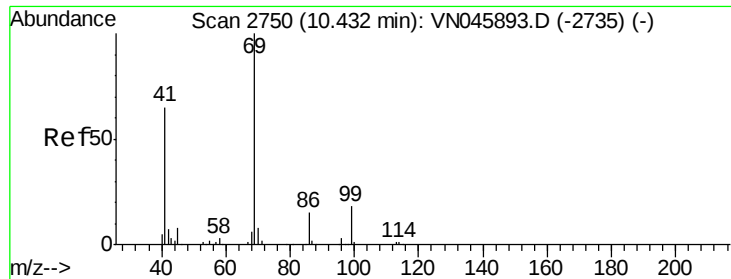


#50

1,1,2-Trichloroethane
Concen: 20.88 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	59.1	44.6	67.0
99	61.2	51.0	76.6





#51

Ethyl methacrylate

Concen: 19.82 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

BFB

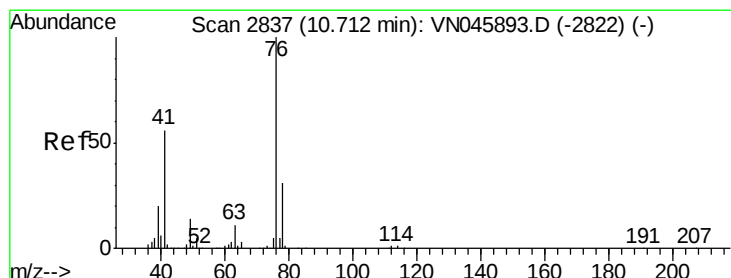
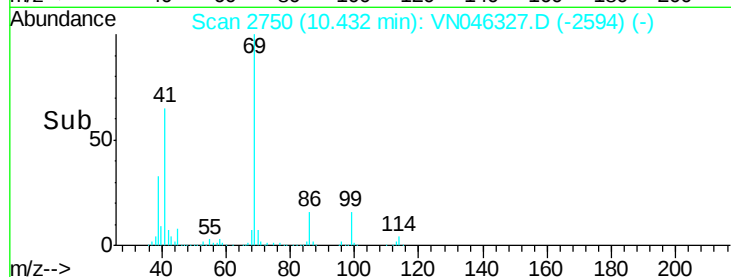
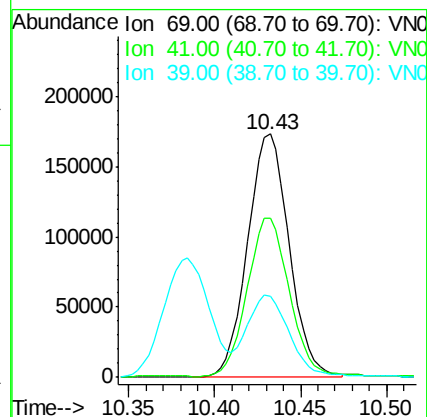
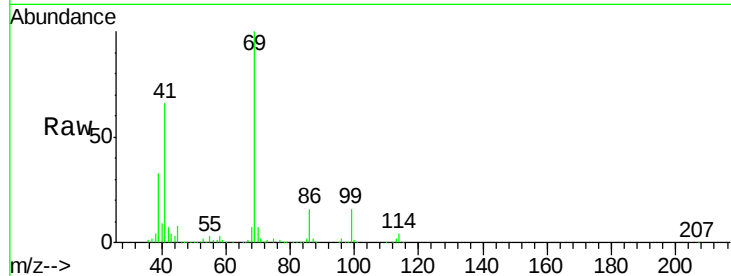
Tgt Ion: 69 Resp: 290238

Ion Ratio Lower Upper

69 100

41 65.2 32.4 97.2

39 32.1 15.8 47.3



#52

1,3-Dichloropropane

Concen: 20.47 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046327.D

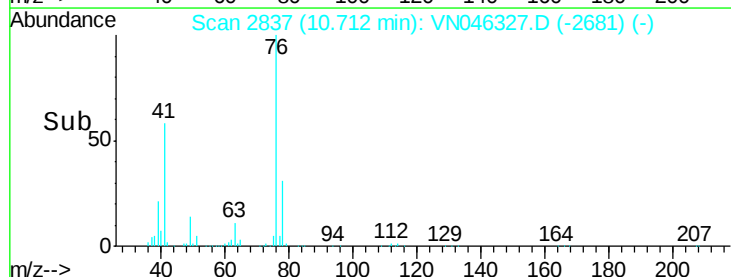
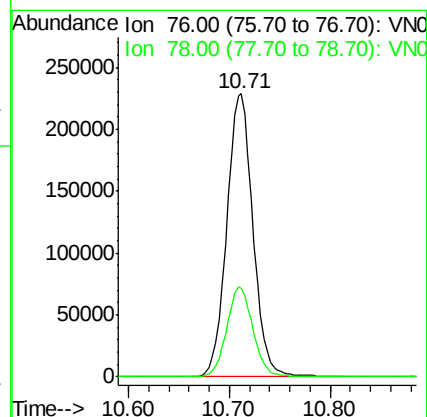
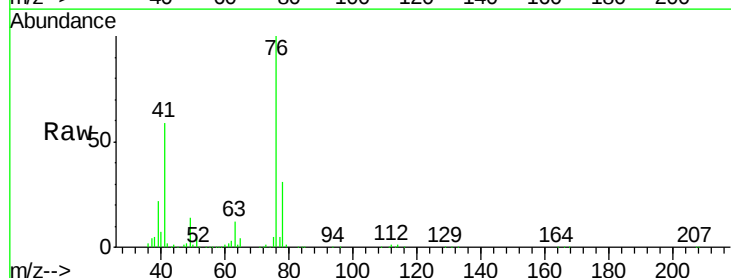
Acq: 5 Jan 2018 11:11

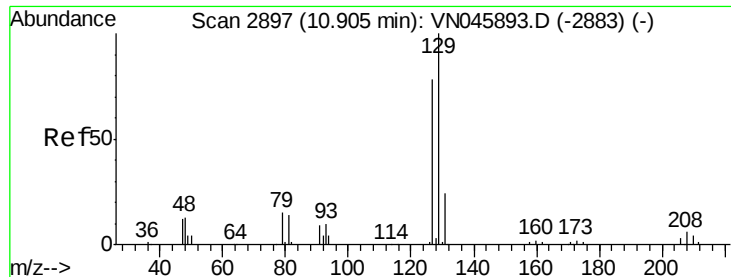
Tgt Ion: 76 Resp: 415172

Ion Ratio Lower Upper

76 100

78 31.9 0.0 64.2





#53

Dibromochloromethane

Concen: 20.98 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

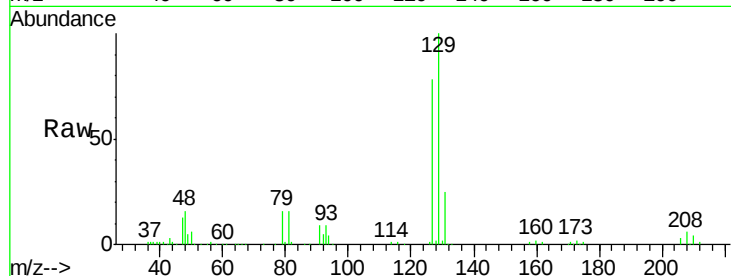
BFB

Tgt Ion:129 Resp: 235125

Ion Ratio Lower Upper

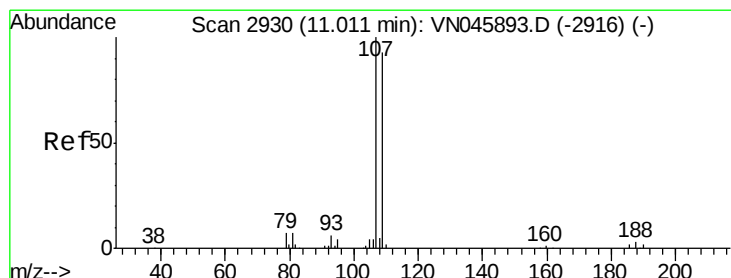
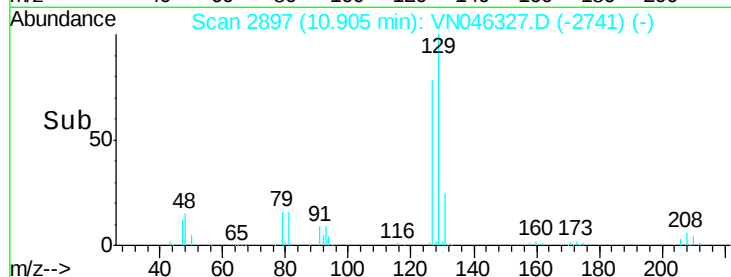
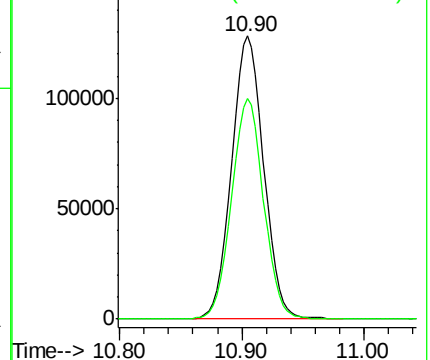
129 100

127 77.6 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.62 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN046327.D

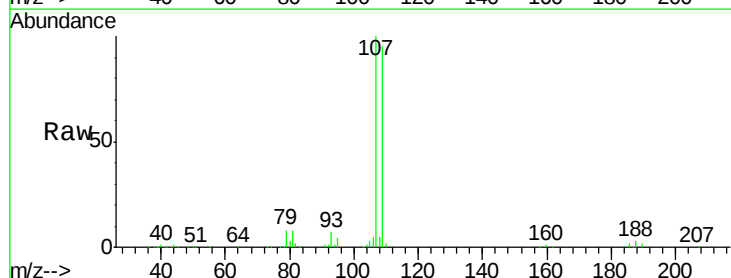
Acq: 5 Jan 2018 11:11

Tgt Ion:107 Resp: 223162

Ion Ratio Lower Upper

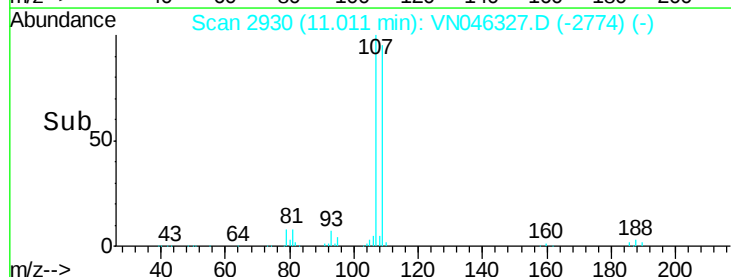
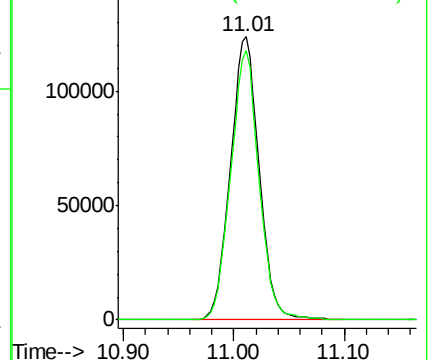
107 100

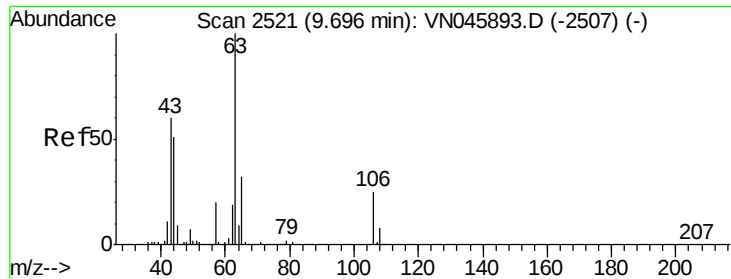
109 93.8 76.1 114.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

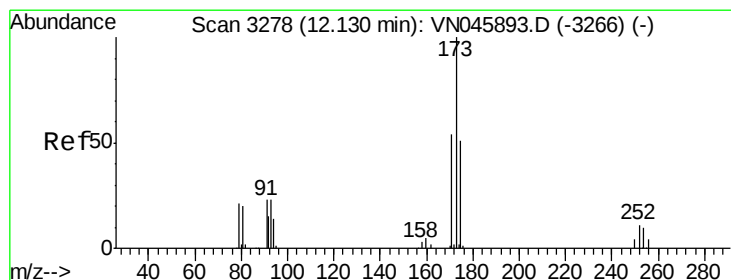
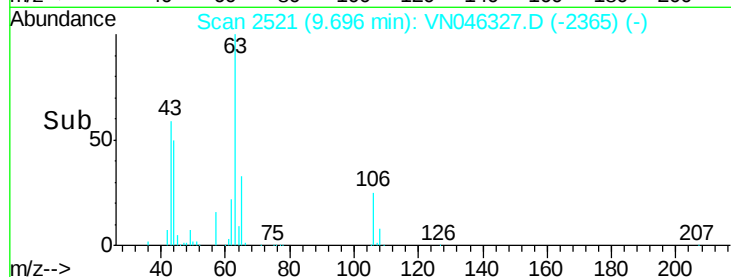
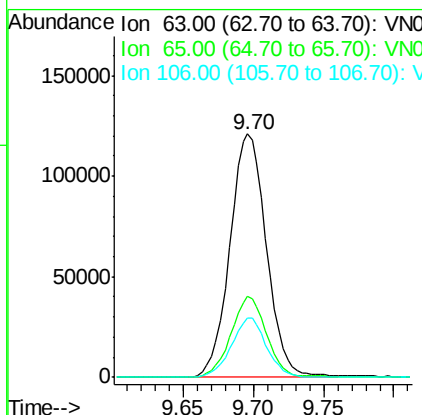
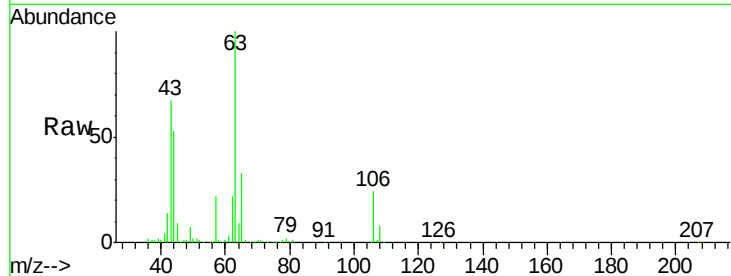




#55
2-Chloroethyl vinyl ether
Concen: 39.84 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

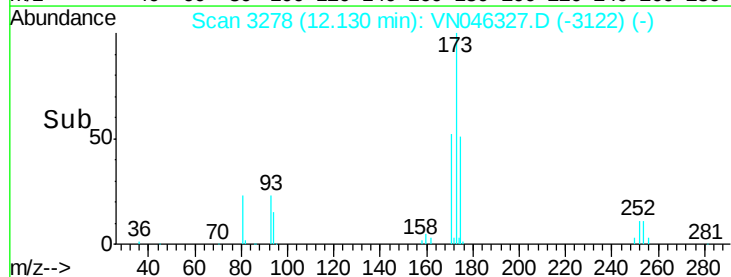
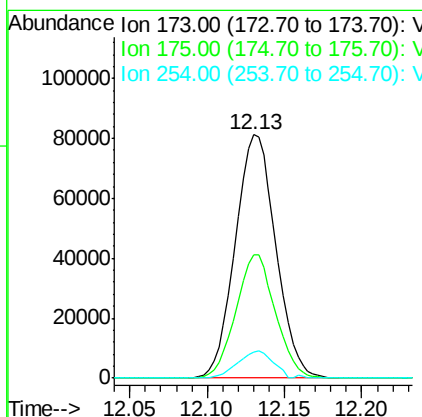
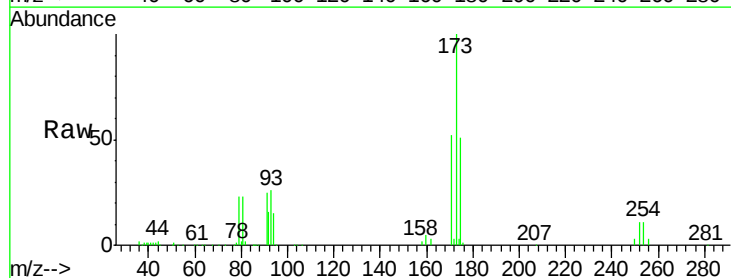
Instrument :
MSVOA_N
ClientSampleId :
BFB

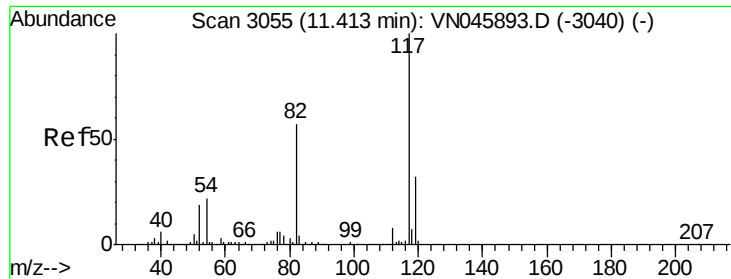
Tgt Ion: 63 Resp: 219298
Ion Ratio Lower Upper
63 100
65 32.1 25.8 38.6
106 23.5 20.0 30.0



#56
Bromoform
Concen: 21.03 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 173 Resp: 148144
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.2
254 9.6 8.2 12.4

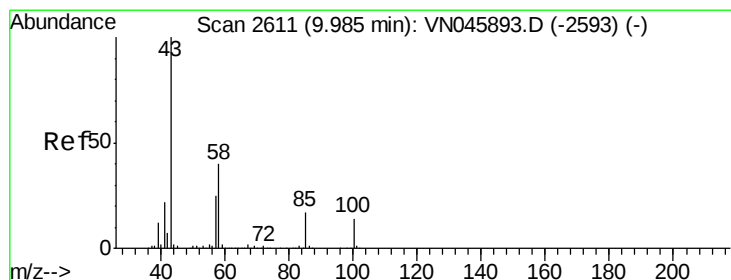
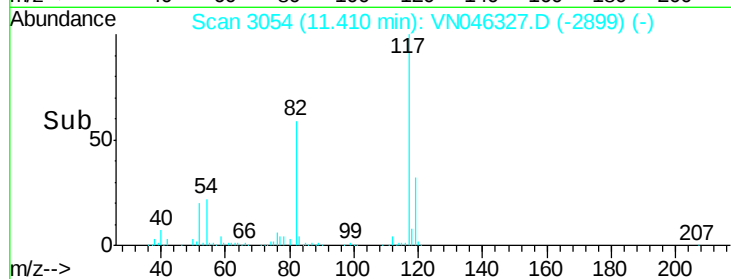
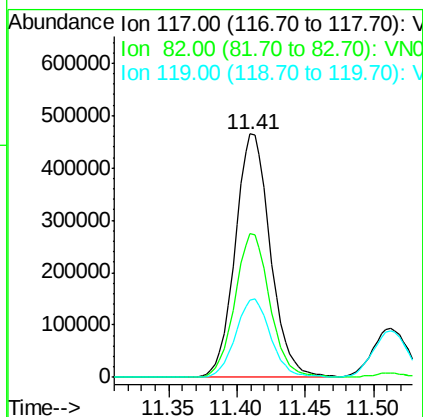
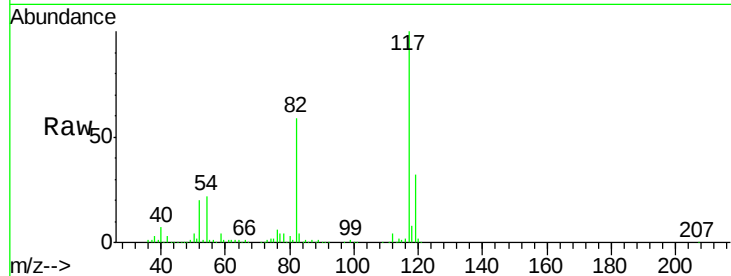




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

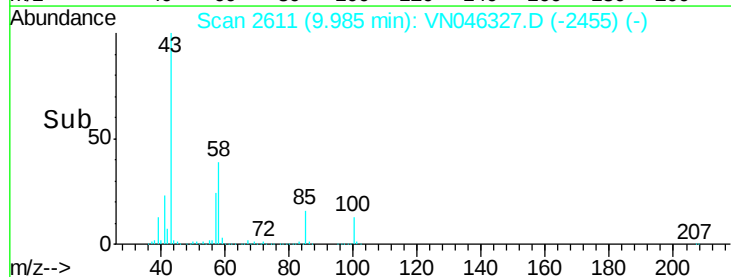
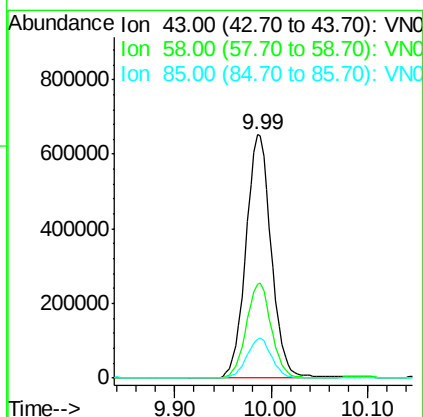
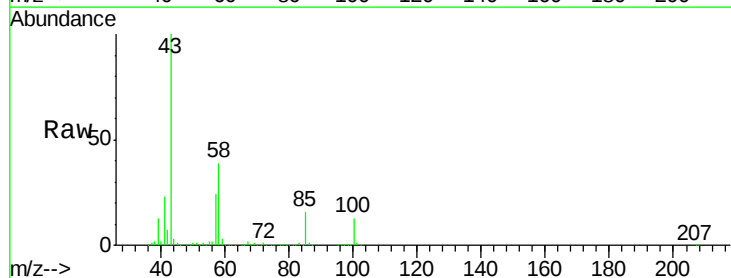
Instrument :
MSVOA_N
ClientSampled :
BFB

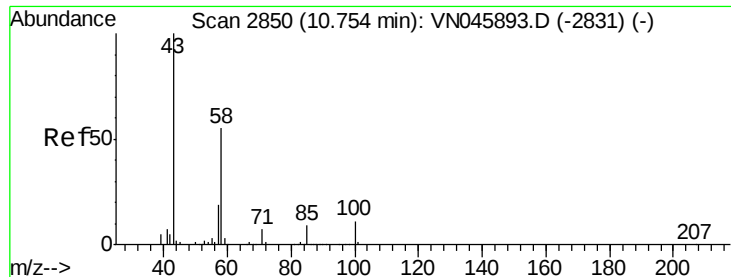
Tgt Ion:117 Resp: 832405
Ion Ratio Lower Upper
117 100
82 58.6 46.0 69.0
119 32.3 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 117.84 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 43 Resp: 1186490
Ion Ratio Lower Upper
43 100
58 38.6 32.2 48.2
85 16.1 13.9 20.9

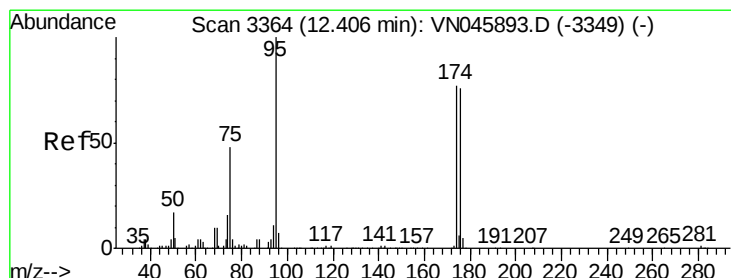
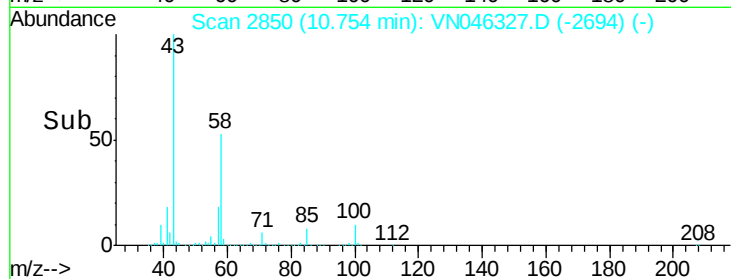
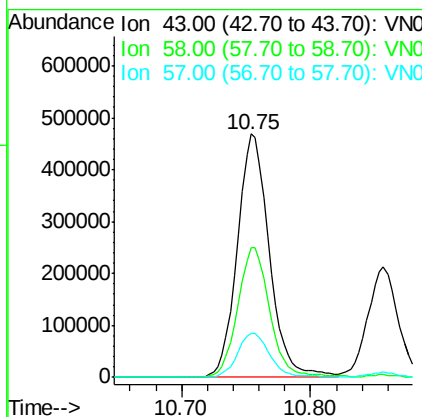
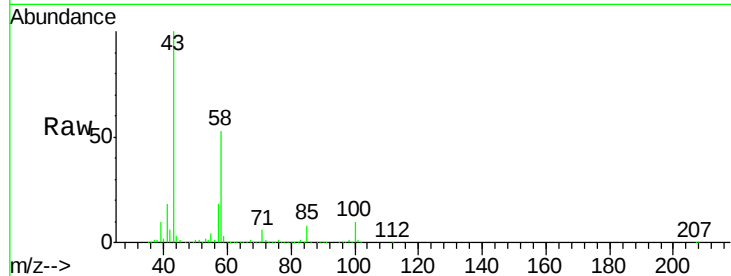




#59
2-Hexanone
Concen: 120.88 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

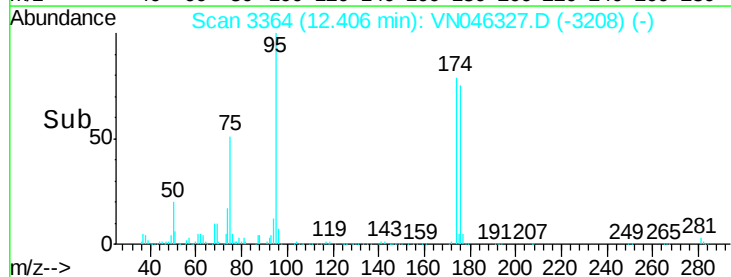
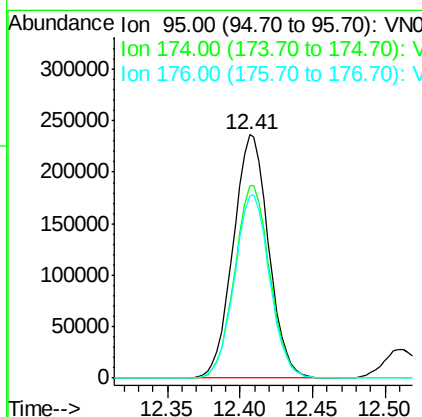
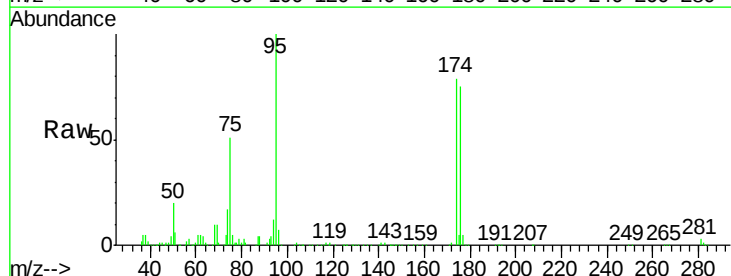
Instrument :
MSVOA_N
ClientSampleId :
BFB

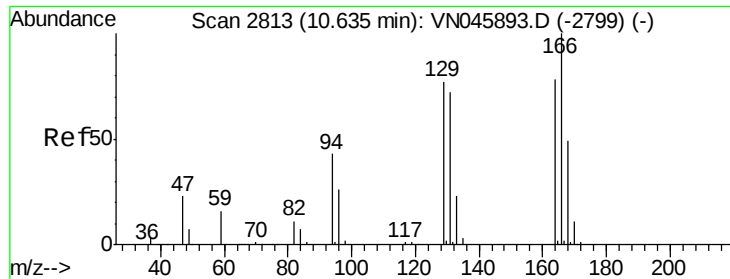
Tgt Ion: 43 Resp: 808183
Ion Ratio Lower Upper
43 100
58 53.8 44.6 66.8
57 18.4 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 31.15 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 95 Resp: 401010
Ion Ratio Lower Upper
95 100
174 78.7 63.5 95.3
176 75.0 61.3 91.9





#61

Tetrachloroethene

Concen: 23.20 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

BFB

Tgt Ion:164 Resp: 243878

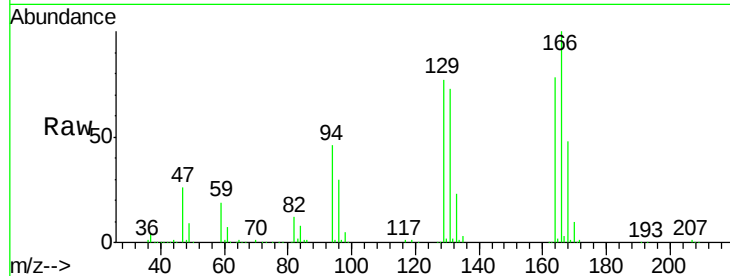
Ion Ratio Lower Upper

164 100

166 127.8 102.7 154.1

129 98.2 78.6 118.0

131 92.5 74.3 111.5

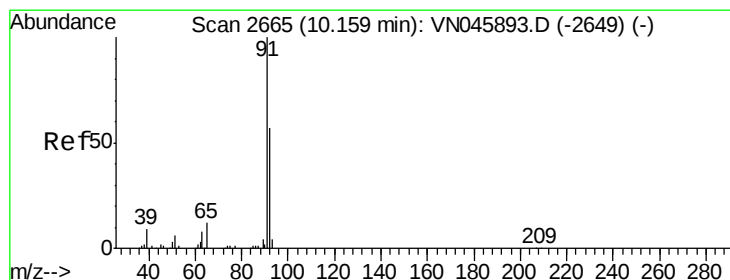
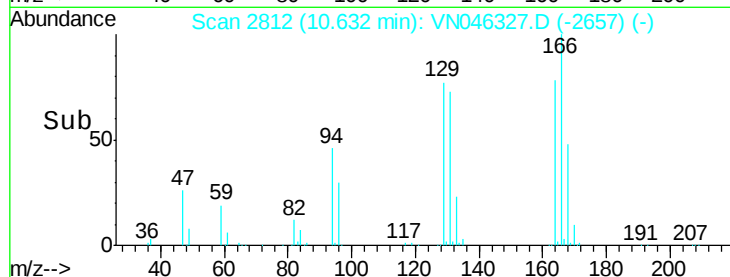
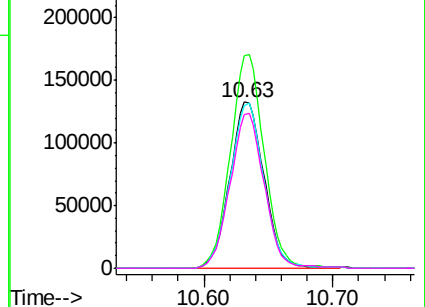


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.16 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN046327.D

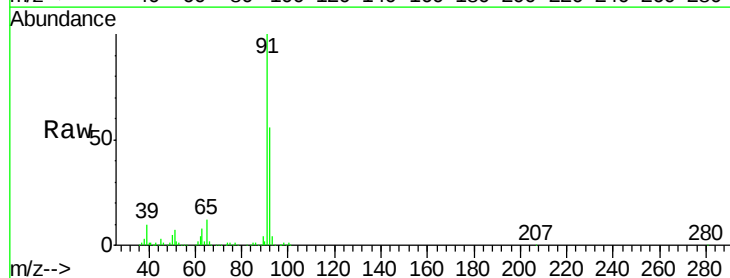
Acq: 5 Jan 2018 11:11

Tgt Ion: 91 Resp: 1078713

Ion Ratio Lower Upper

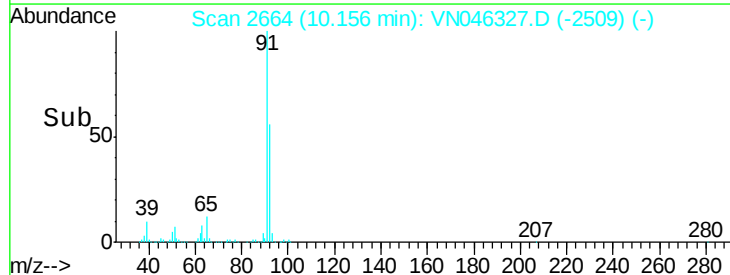
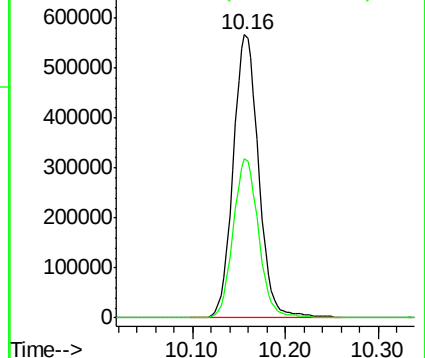
91 100

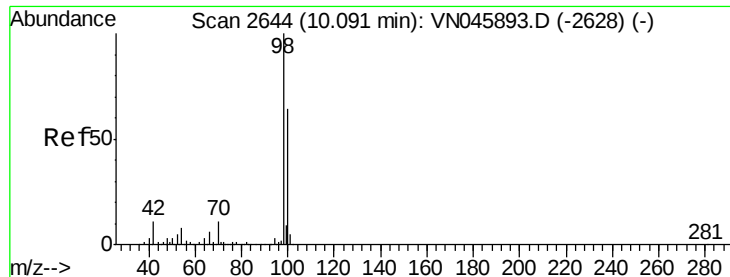
92 56.3 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.01 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

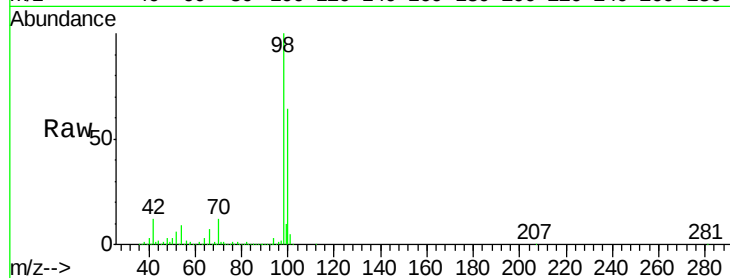
BFB

Tgt Ion: 98 Resp: 1182587

Ion Ratio Lower Upper

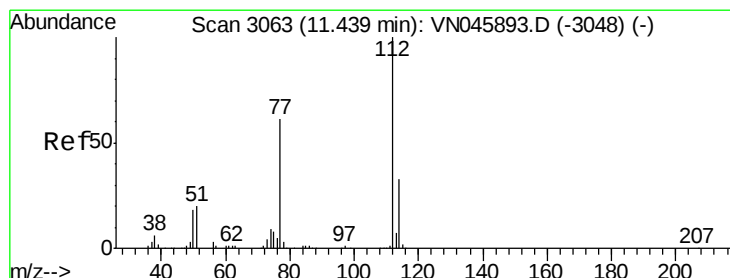
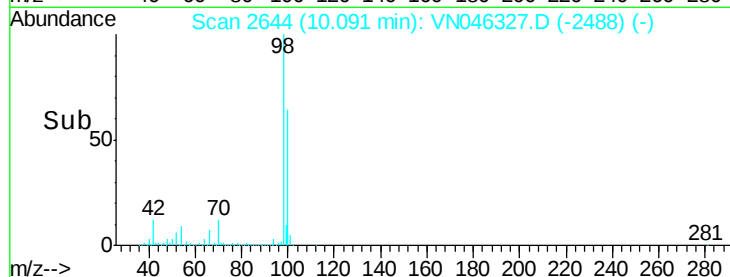
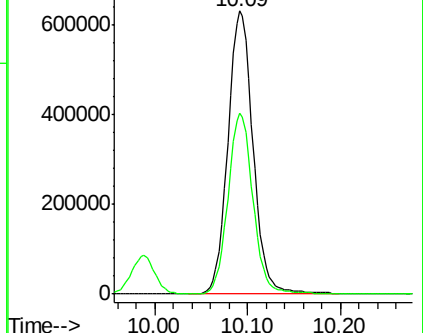
98 100

100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN045893.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN045893.D (-2628) (-)



#64

Chlorobenzene

Concen: 20.76 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046327.D

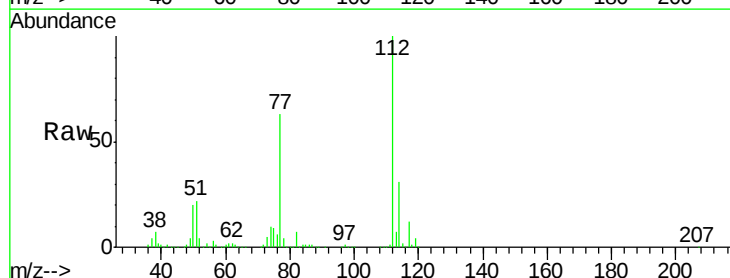
Acq: 5 Jan 2018 11:11

Tgt Ion: 112 Resp: 641721

Ion Ratio Lower Upper

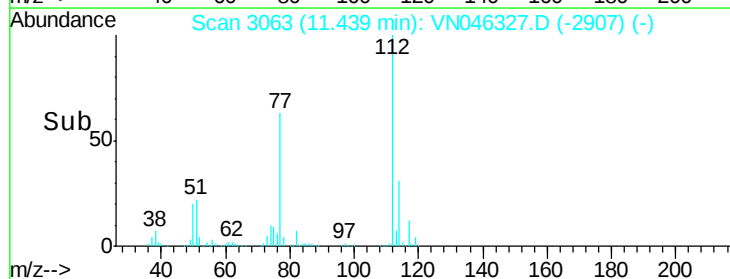
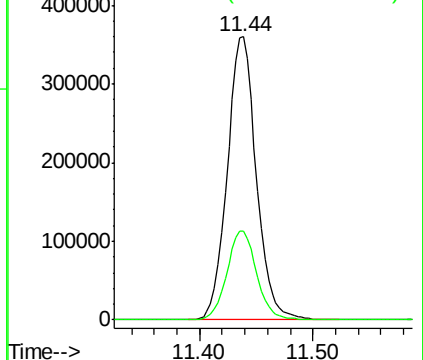
112 100

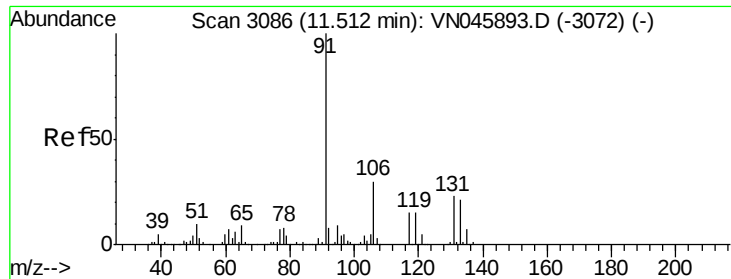
114 31.2 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): VN045893.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN045893.D (-3048) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.90 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

BFB

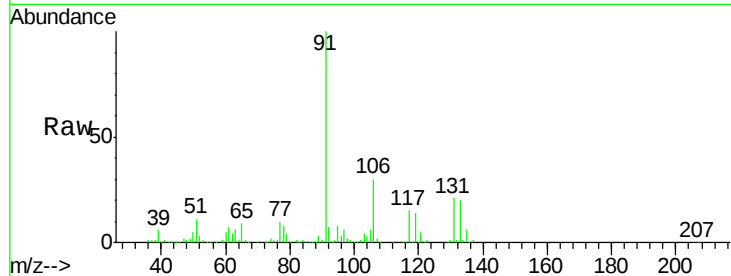
Tgt Ion:131 Resp: 233199

Ion Ratio Lower Upper

131 100

133 94.8 0.0 188.6

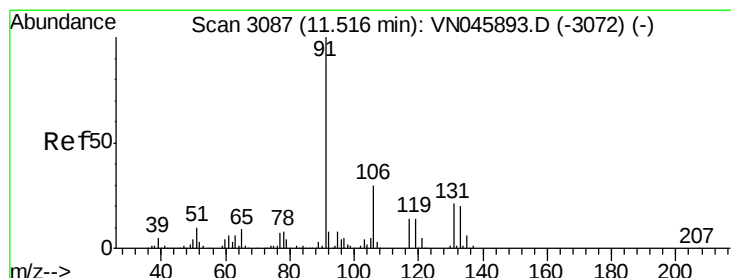
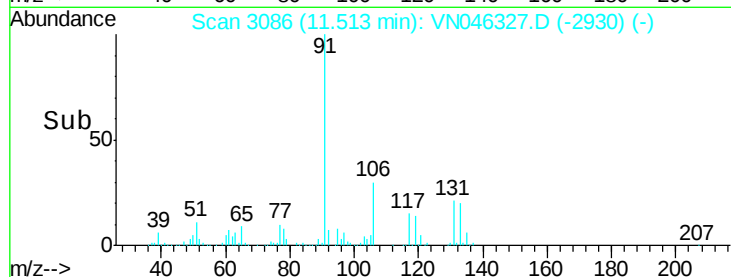
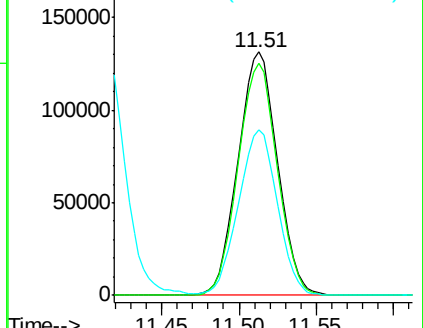
119 67.6 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.59 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046327.D

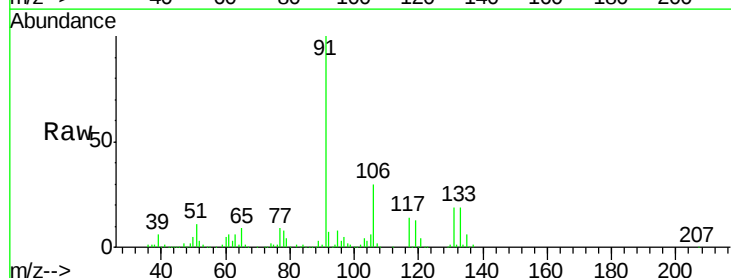
Acq: 5 Jan 2018 11:11

Tgt Ion: 91 Resp: 1096624

Ion Ratio Lower Upper

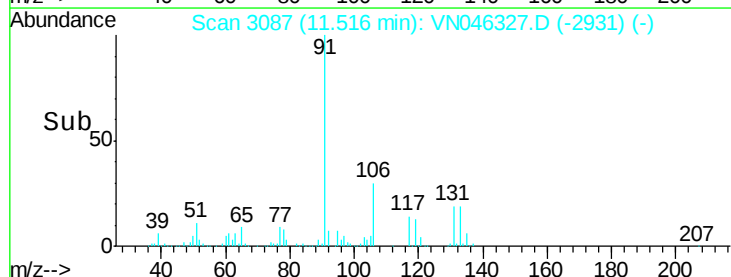
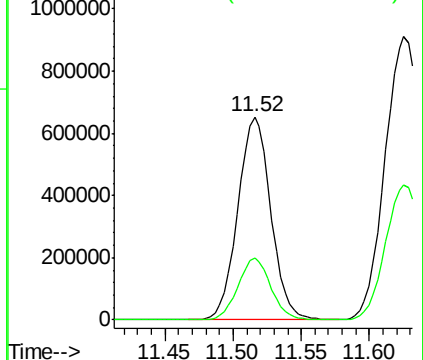
91 100

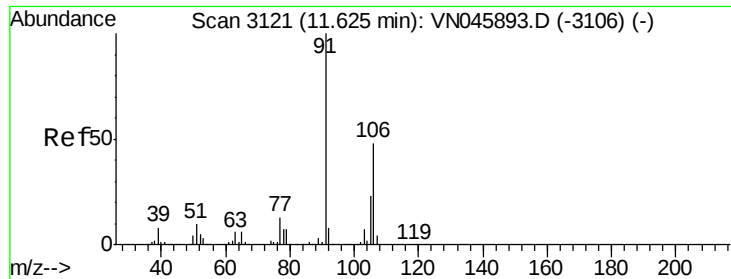
106 30.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

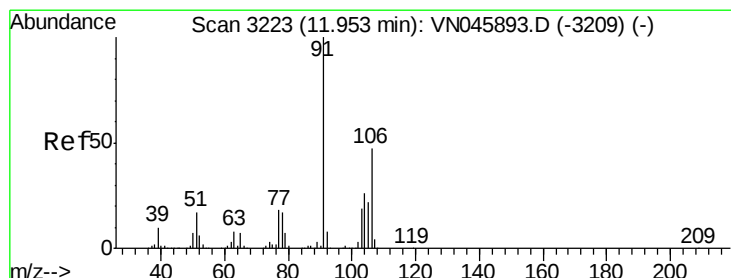
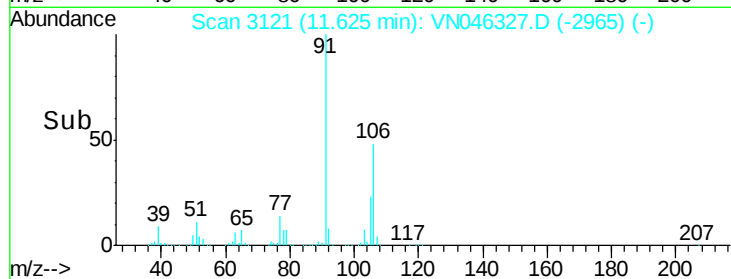
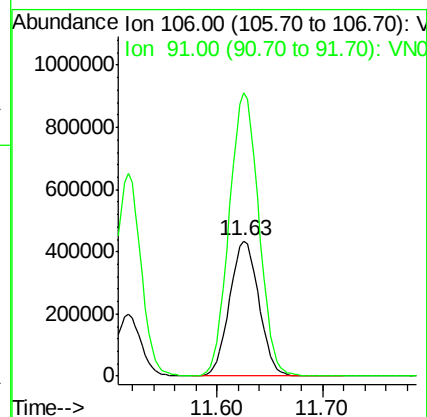
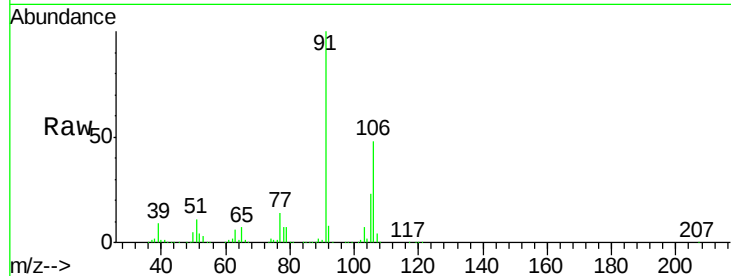




#67
m/p-Xylenes
Concen: 43.80 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

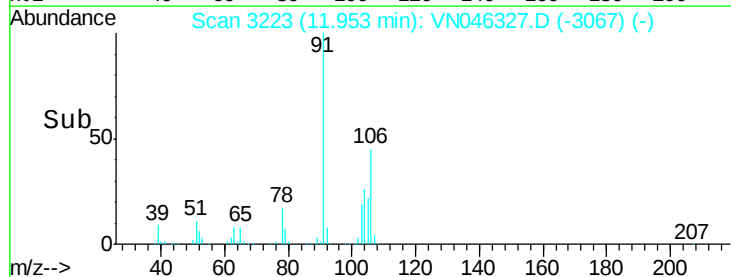
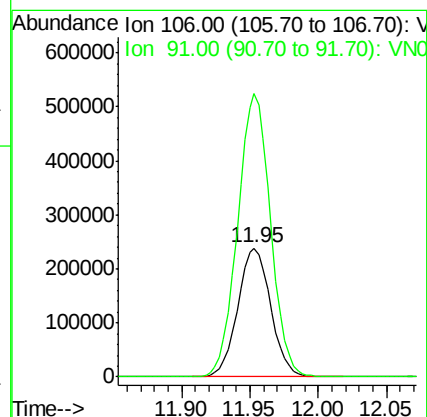
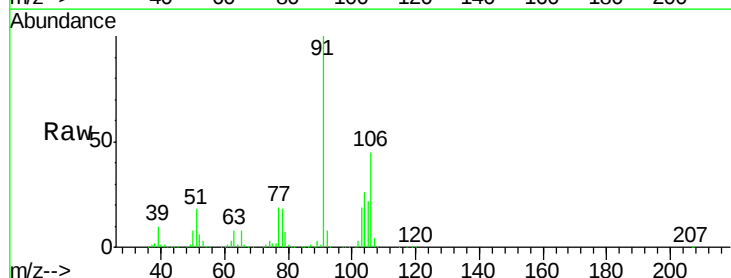
Instrument :
MSVOA_N
ClientSampleId :
BFB

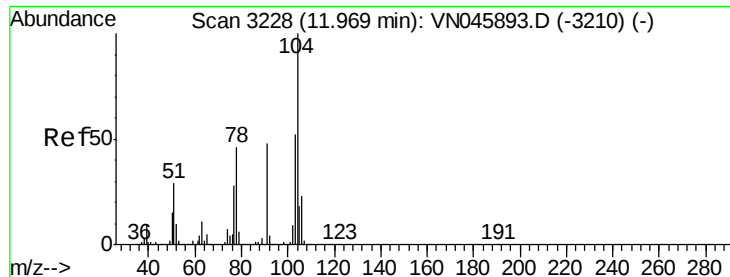
Tgt Ion:106 Resp: 837380
Ion Ratio Lower Upper
106 100
91 211.2 165.8 248.6



#68
o-Xylene
Concen: 20.75 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion:106 Resp: 399874
Ion Ratio Lower Upper
106 100
91 218.4 108.7 325.9

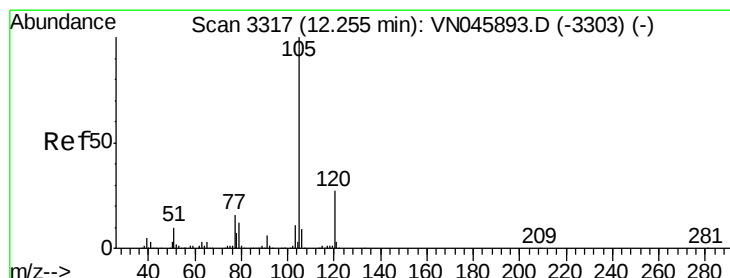
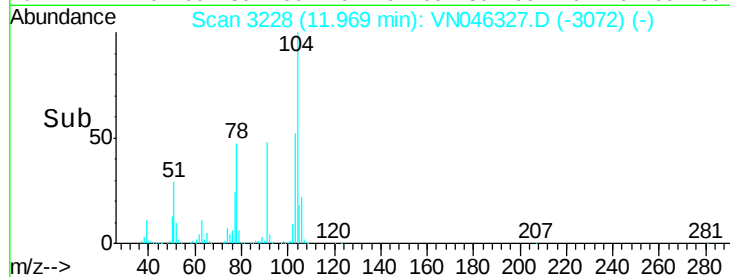
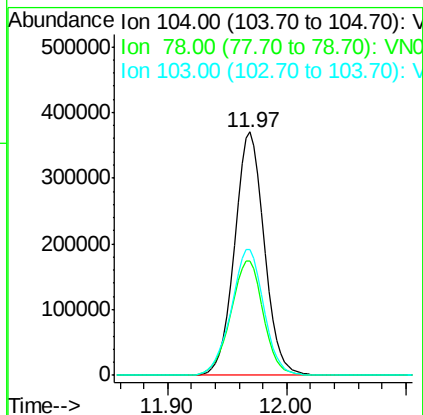
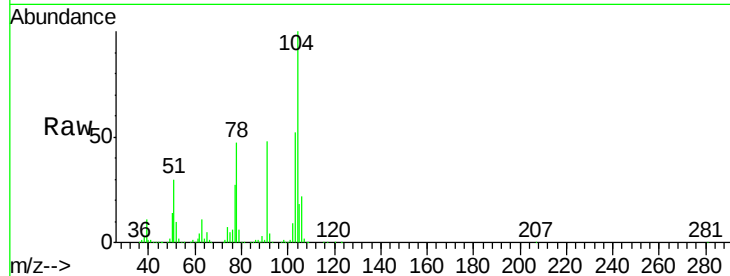




#69
Styrene
Concen: 21.44 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

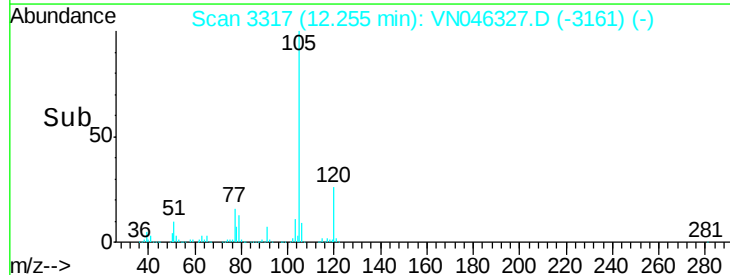
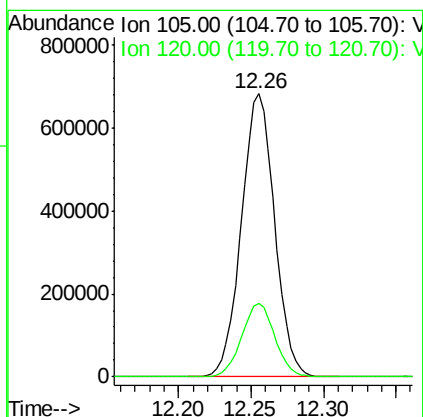
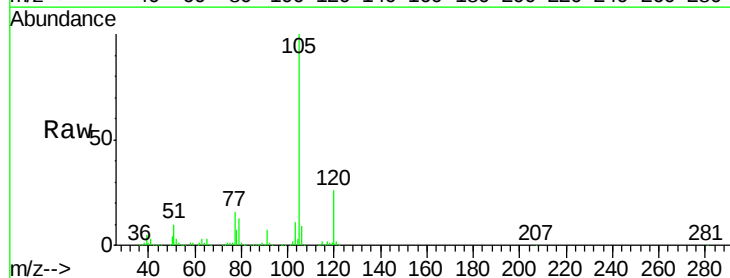
Instrument :
MSVOA_N
ClientSampled :
BFB

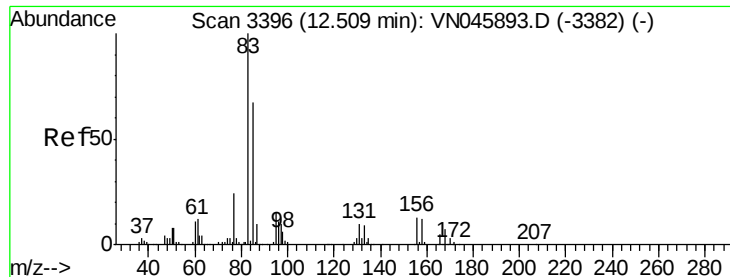
Tgt Ion:104 Resp: 640329
Ion Ratio Lower Upper
104 100
78 51.9 40.7 61.1
103 56.7 45.6 68.4



#70
Isopropylbenzene
Concen: 23.08 ug/l
RT: 12.26 min Scan# 3317
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion:105 Resp: 1086510
Ion Ratio Lower Upper
105 100
120 26.1 18.3 34.1





#71

1,1,2,2-Tetrachloroethane

Concen: 22.47 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

BFB

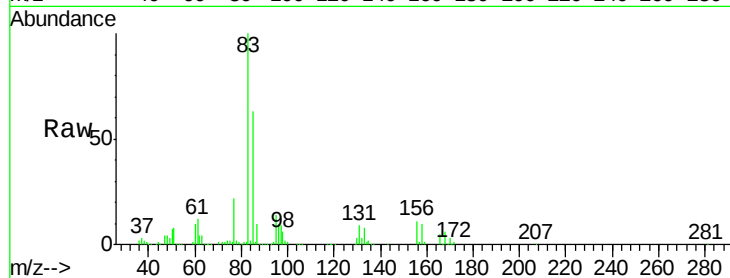
Tgt Ion: 83 Resp: 319643

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

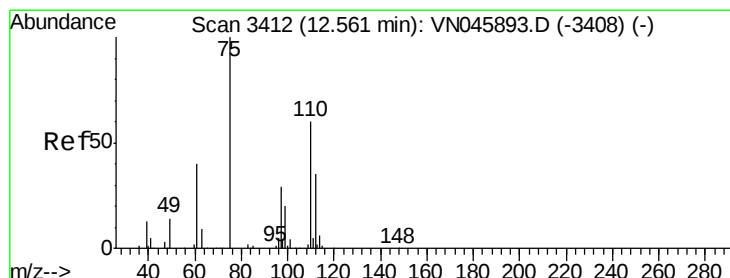
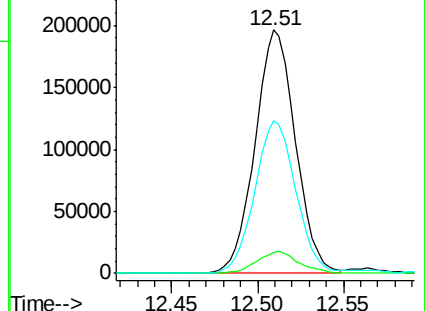
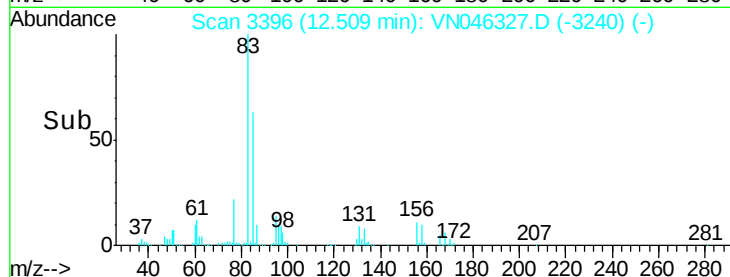
85 63.9 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VN046327.D (-3240) (-)

Ion 131.00 (130.70 to 131.70): VN046327.D (-3240) (-)

Ion 85.00 (84.70 to 85.70): VN046327.D (-3240) (-)



#72

1,2,3-Trichloropropane

Concen: 33.17 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046327.D

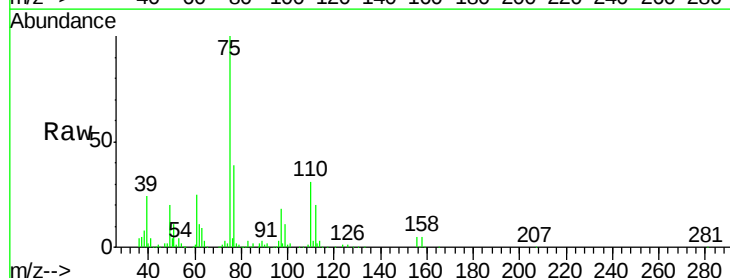
Acq: 5 Jan 2018 11:11

Tgt Ion: 75 Resp: 374294

Ion Ratio Lower Upper

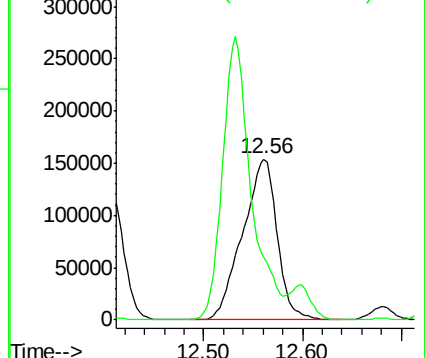
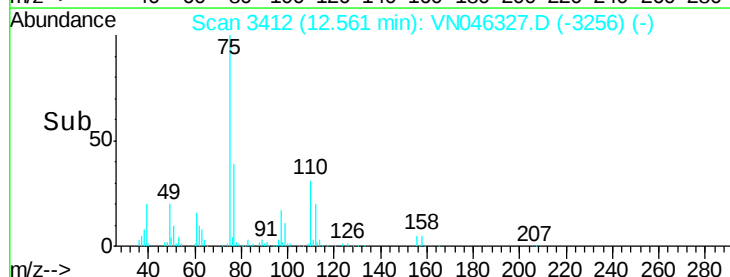
75 100

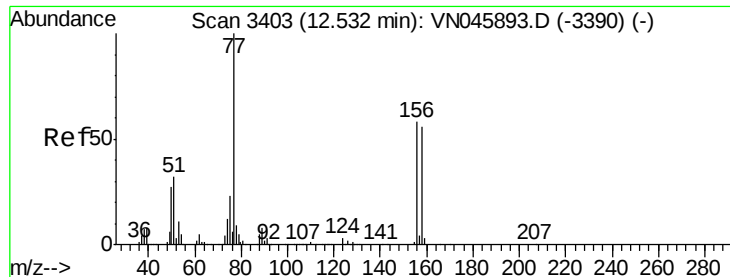
77 147.1 0.0 473.2



Abundance Ion 75.00 (74.70 to 75.70): VN046327.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VN046327.D (-3256) (-)





#73

Bromobenzene

Concen: 20.82 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

BFB

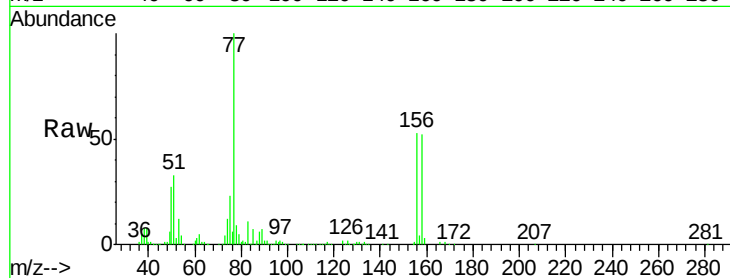
Tgt Ion:156 Resp: 252996

Ion Ratio Lower Upper

156 100

77 217.6 0.0 413.8

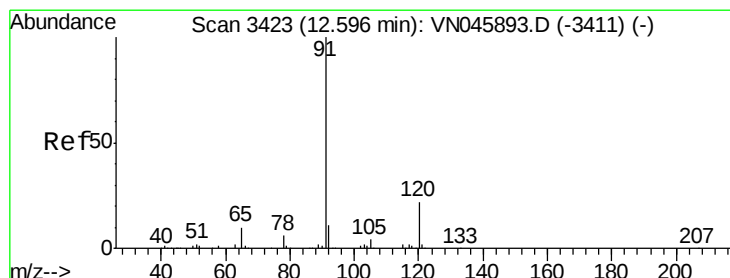
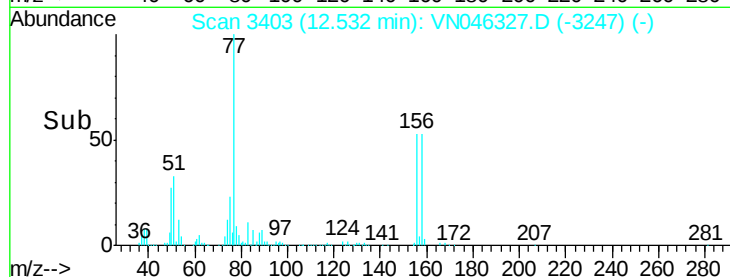
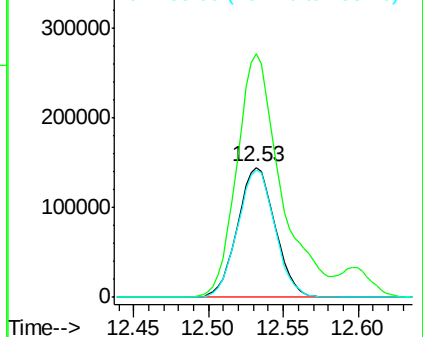
158 97.1 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 24.49 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN046327.D

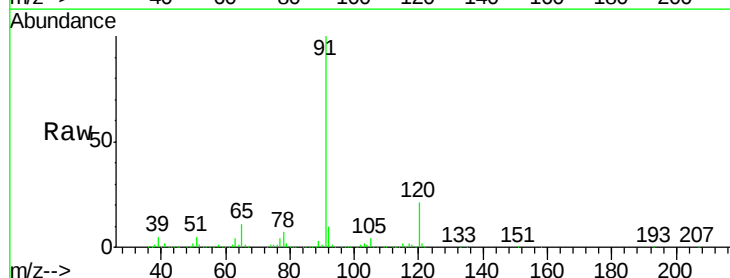
Acq: 5 Jan 2018 11:11

Tgt Ion: 91 Resp: 1315265

Ion Ratio Lower Upper

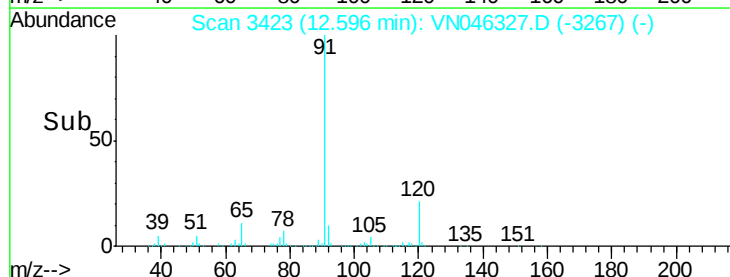
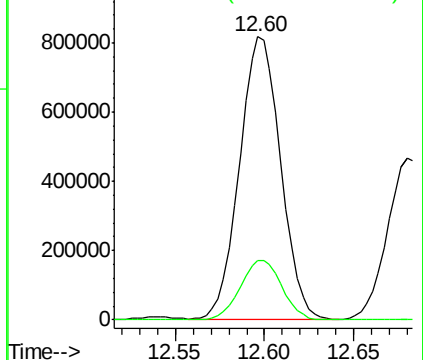
91 100

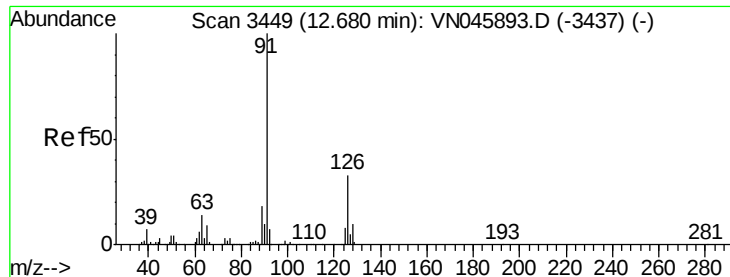
120 21.3 0.0 44.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.44 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

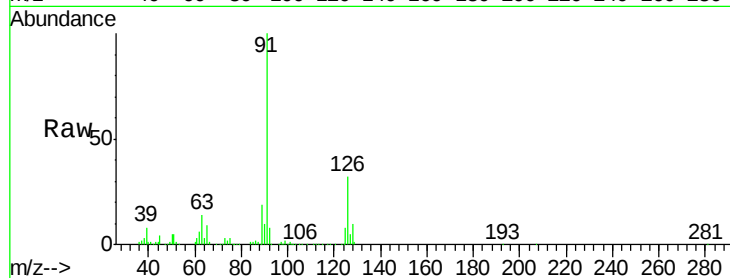
BFB

Tgt Ion: 91 Resp: 785740

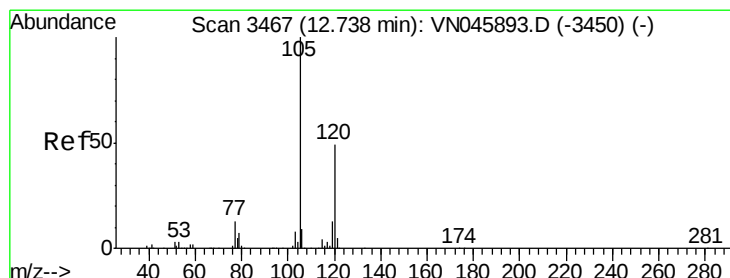
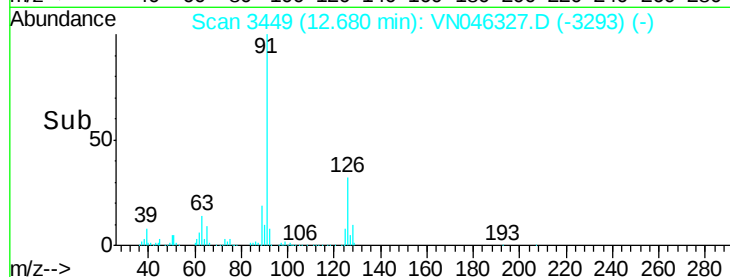
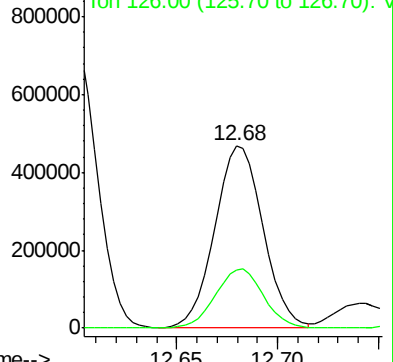
Ion Ratio Lower Upper

91 100

126 32.2 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN045893.D (-3437) (-)



#76

1,3,5-Trimethylbenzene

Concen: 23.28 ug/l

RT: 12.74 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VN046327.D

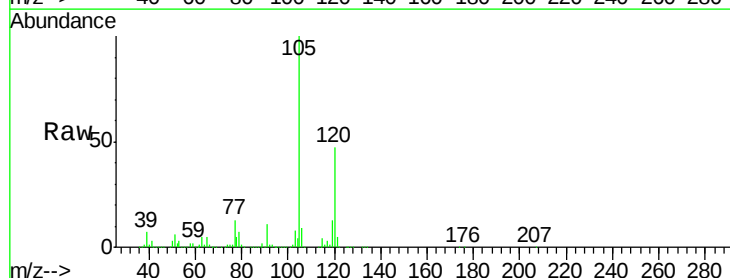
Acq: 5 Jan 2018 11:11

Tgt Ion: 105 Resp: 928836

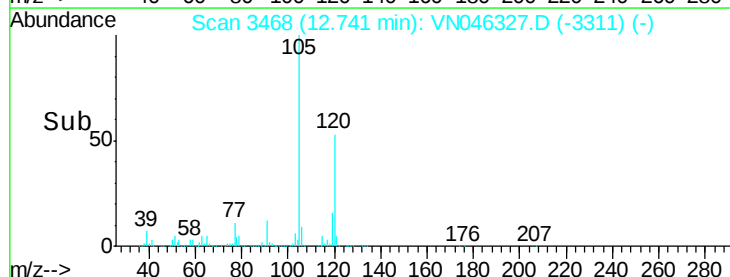
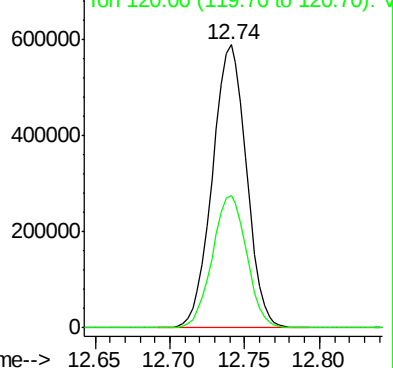
Ion Ratio Lower Upper

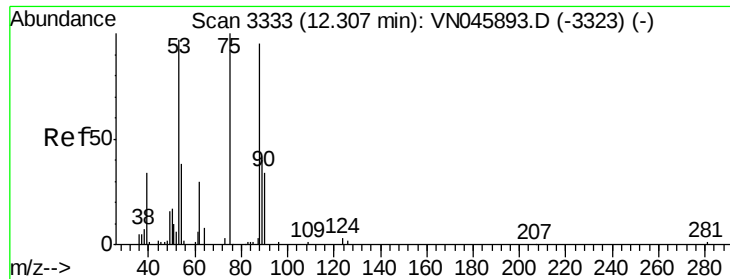
105 100

120 47.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN045893.D (-3450) (-)

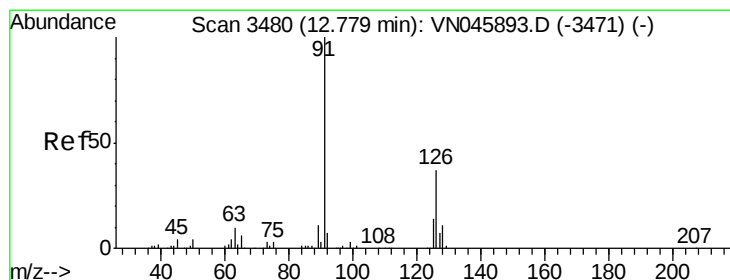
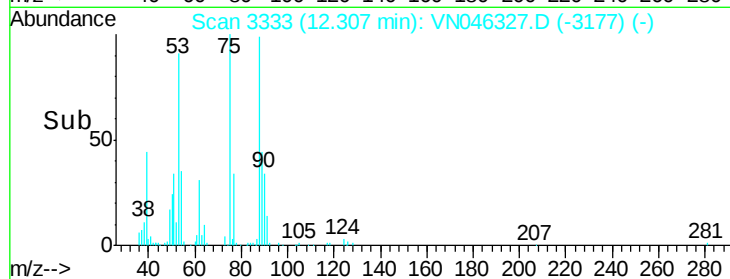
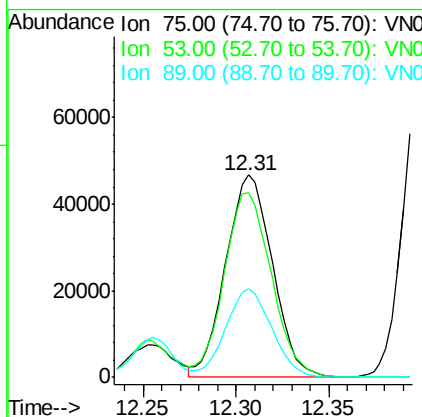
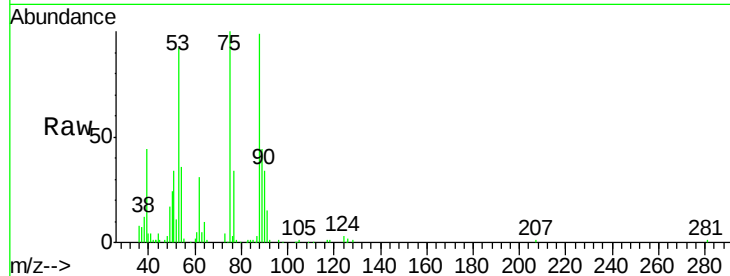




#77
t-1,4-Dichloro-2-butene
Concen: 22.75 ug/l
RT: 12.31 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

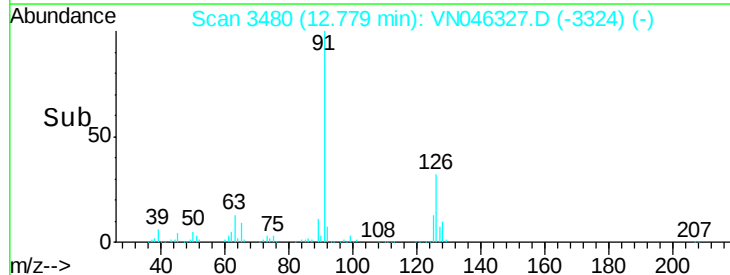
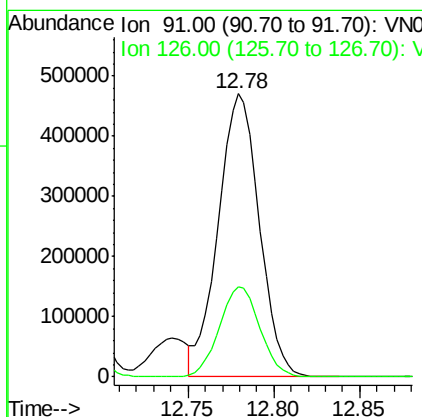
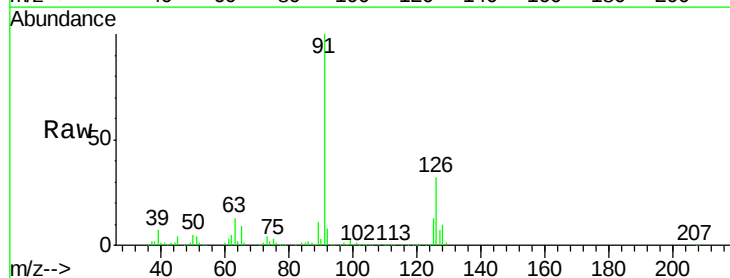
Instrument :
MSVOA_N
ClientSampleId :
BFB

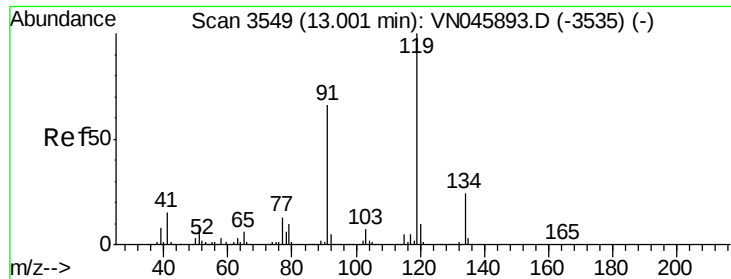
Tgt Ion: 75 Resp: 82090
Ion Ratio Lower Upper
75 100
53 91.6 48.0 144.2
89 43.5 21.3 63.7



#78
4-Chlorotoluene
Concen: 23.20 ug/l
RT: 12.78 min Scan# 3480
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 91 Resp: 781745
Ion Ratio Lower Upper
91 100
126 31.5 0.0 65.6

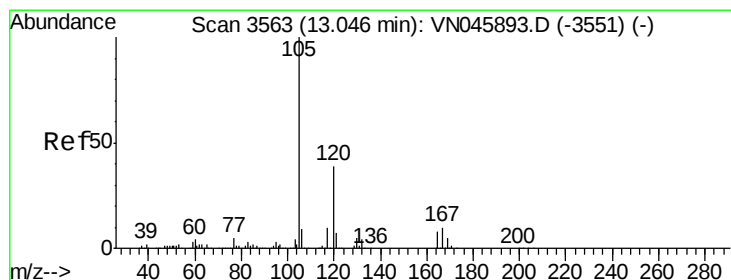
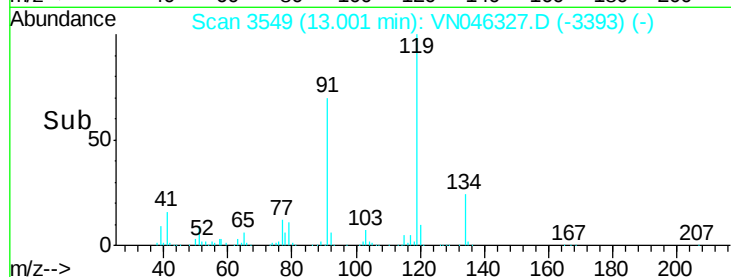
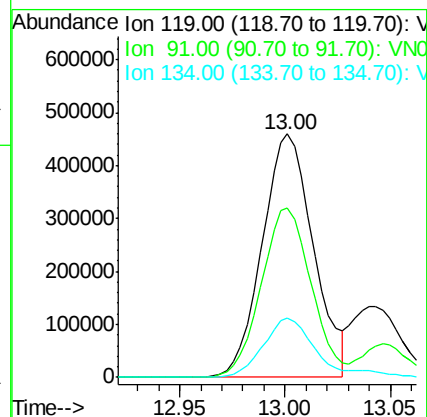
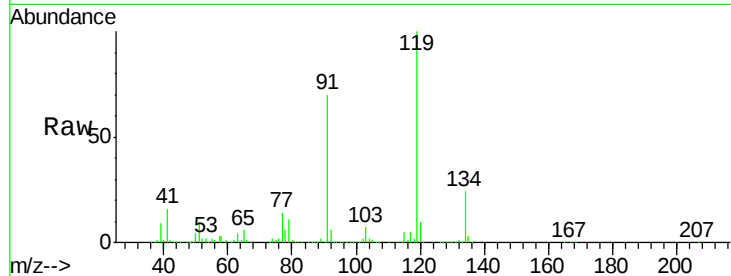




#79
tert-butylbenzene
Concen: 23.17 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

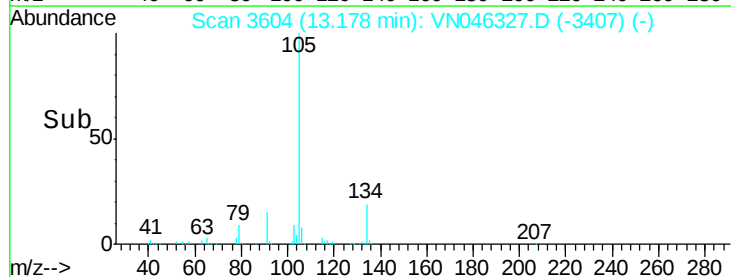
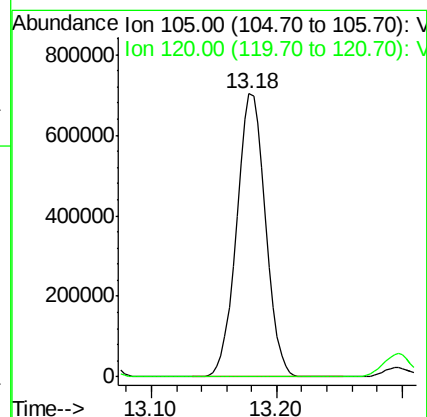
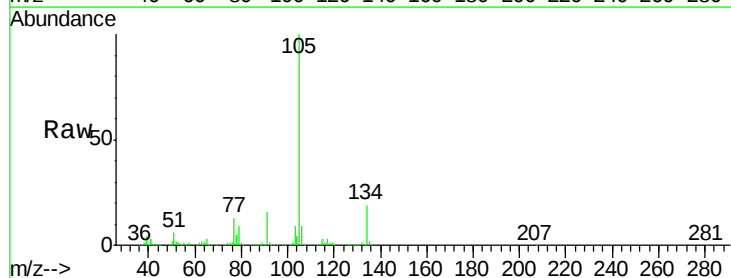
Instrument :
MSVOA_N
ClientSampled :
BFB

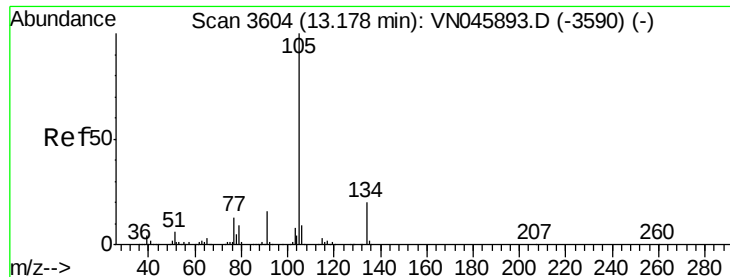
Tgt Ion:119 Resp: 776497
Ion Ratio Lower Upper
119 100
91 68.1 0.0 129.8
134 23.6 0.0 46.6



#80
1,2,4-Trimethylbenzene
Concen: 27.32 ug/l
RT: 13.18 min Scan# 3604
Delta R.T. 0.13 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion:105 Resp: 1118392
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.4

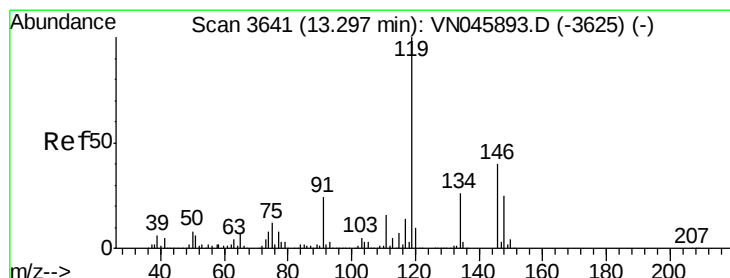
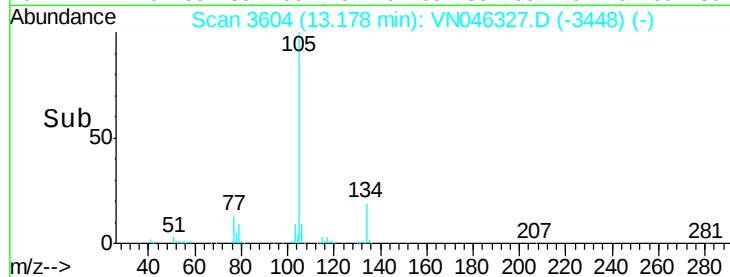
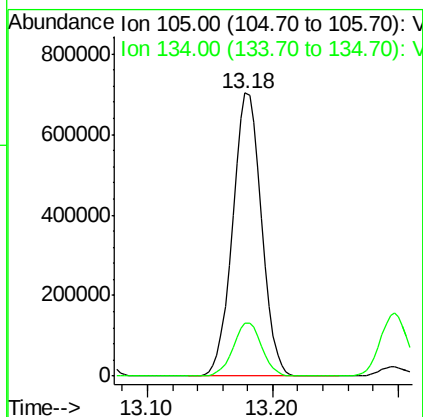
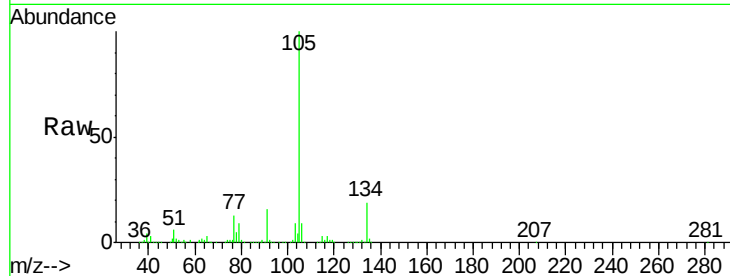




#81
 sec-Butylbenzene
 Concen: 25.78 ug/l
 RT: 13.18 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

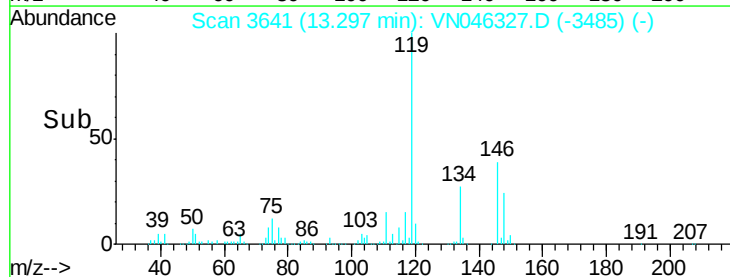
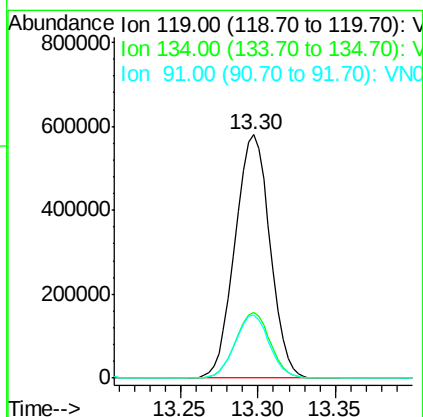
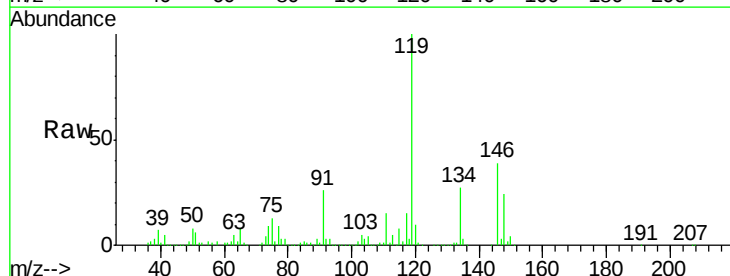
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

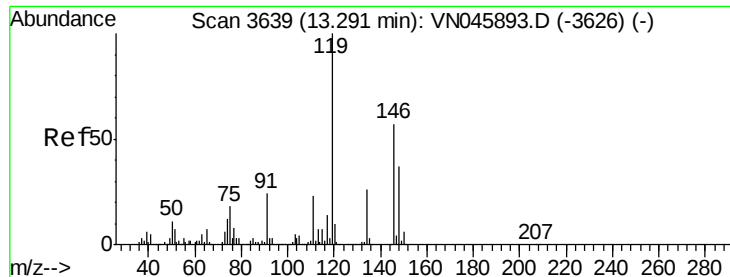
Tgt Ion:105 Resp: 1118392
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 39.0



#82
 p-Isopropyltoluene
 Concen: 24.51 ug/l
 RT: 13.30 min Scan# 3641
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion:119 Resp: 912370
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.2
 91 25.1 0.0 47.8

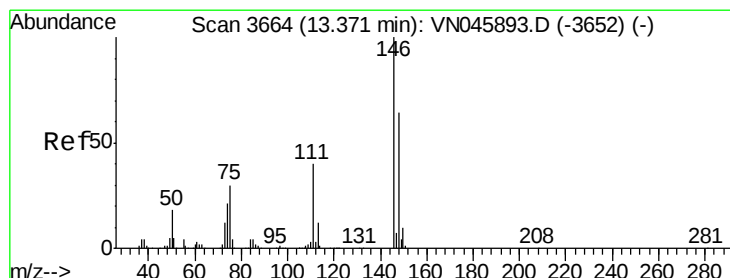
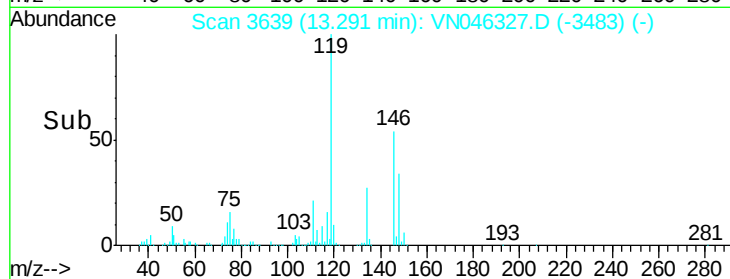
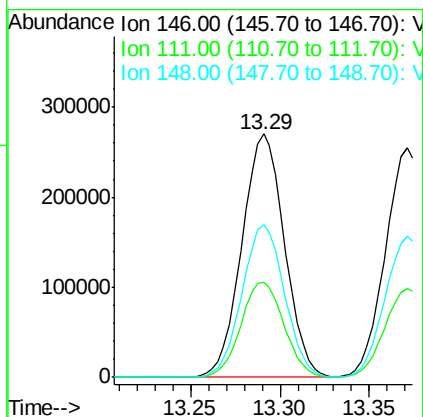
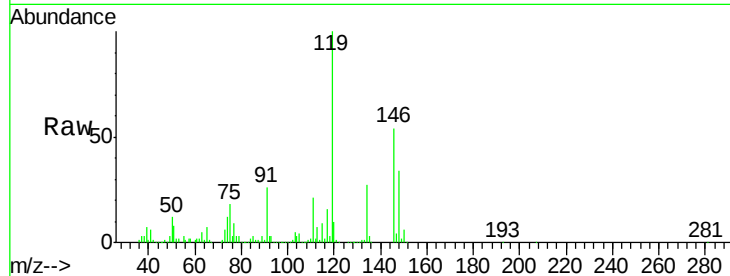




#83
 1,3-Dichlorobenzene
 Concen: 22.83 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

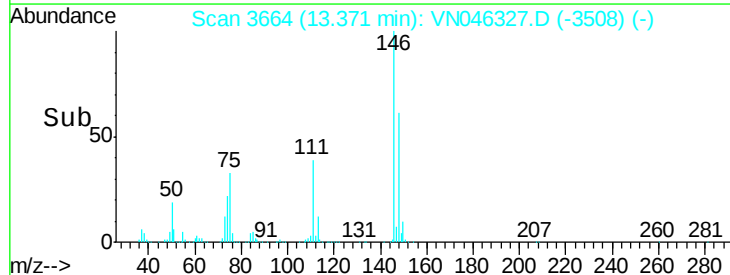
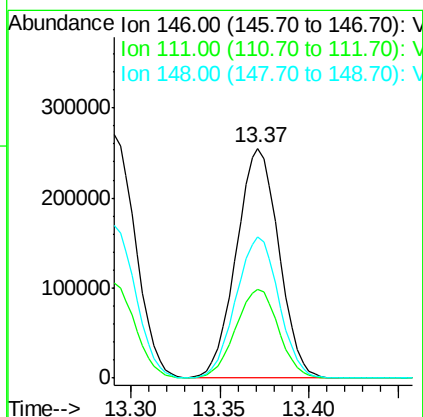
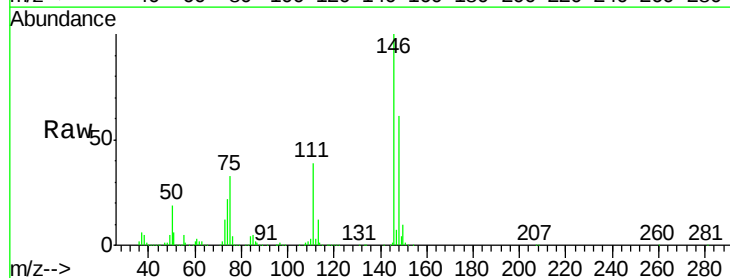
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

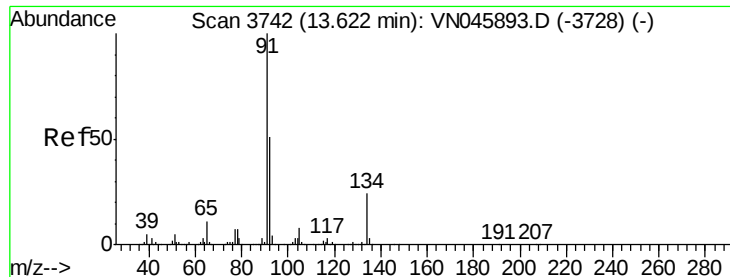
Tgt Ion:146 Resp: 450178
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.2 60.5
 148 62.7 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 22.63 ug/l
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion:146 Resp: 424082
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.4
 148 62.0 32.2 96.6

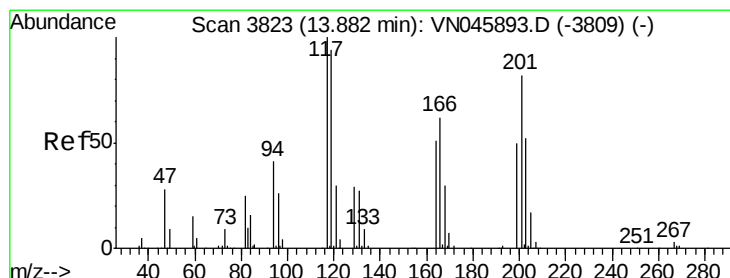
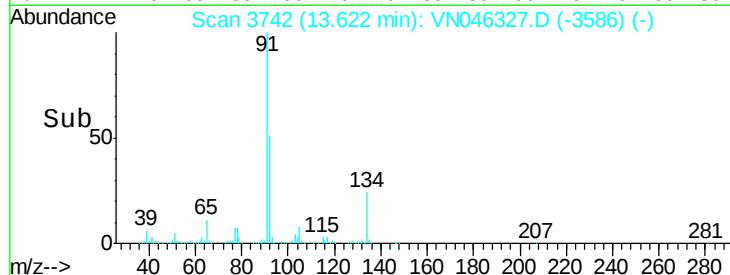
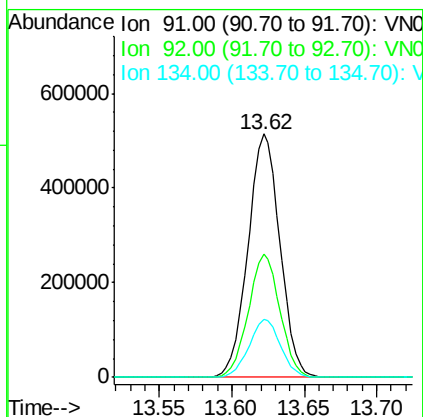
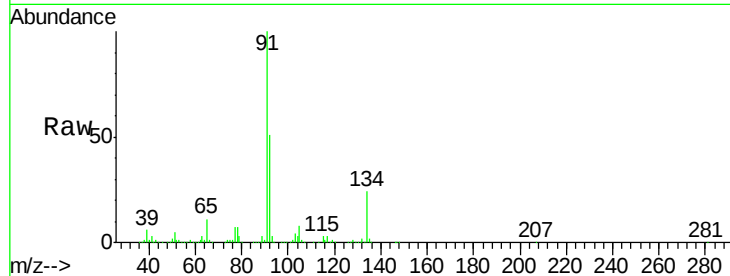




#85
n-Butylbenzene
Concen: 26.31 ug/l
RT: 13.62 min Scan# 3742
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

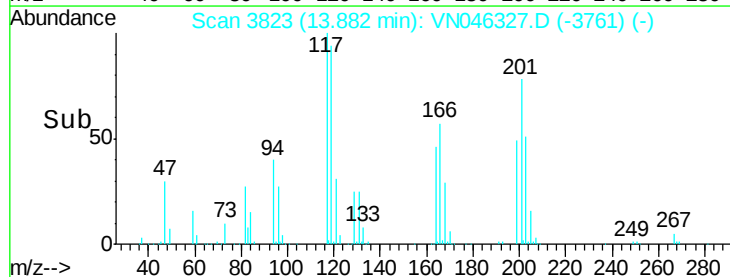
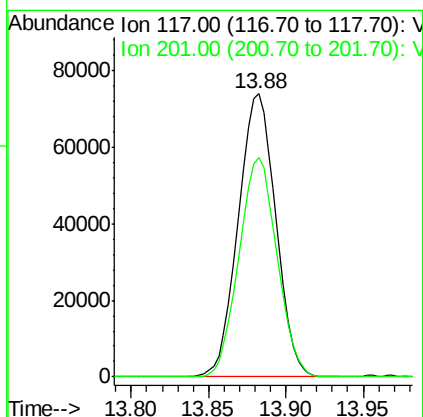
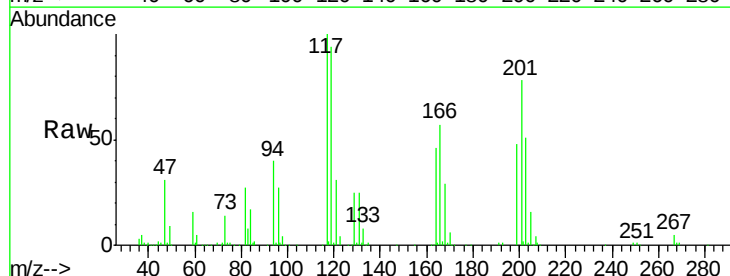
Instrument :
MSVOA_N
ClientSampleId :
BFB

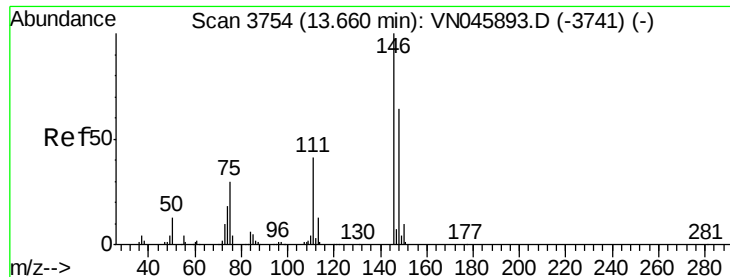
Tgt Ion: 91 Resp: 788725
Ion Ratio Lower Upper
91 100
92 50.0 0.0 101.6
134 23.5 0.0 48.0



#86
Hexachloroethane
Concen: 21.92 ug/l
RT: 13.88 min Scan# 3823
Delta R.T. 0.00 min
Lab File: VN046327.D
Acq: 5 Jan 2018 11:11

Tgt Ion: 117 Resp: 125036
Ion Ratio Lower Upper
117 100
201 78.4 40.1 120.2

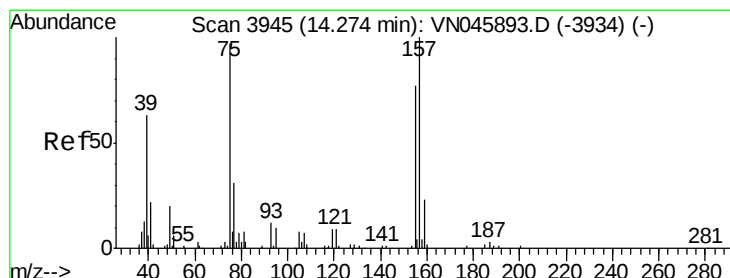
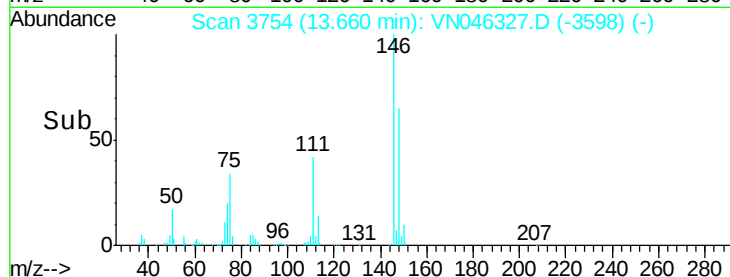
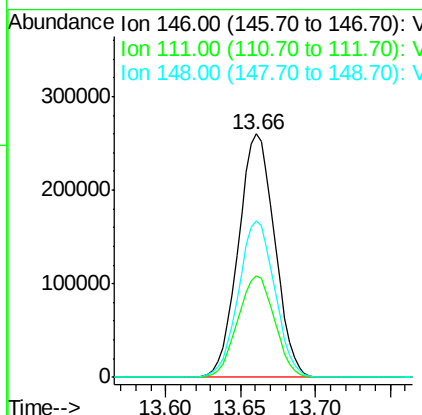
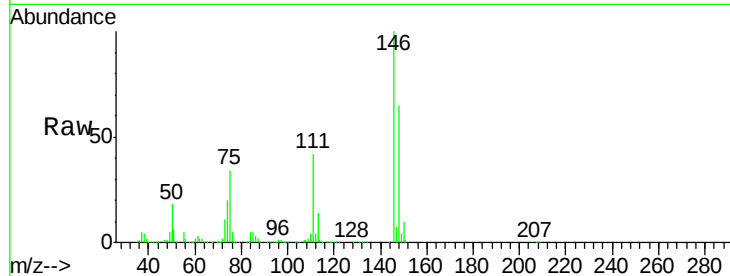




#87
 1,2-Dichlorobenzene
 Concen: 21.85 ug/l
 RT: 13.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

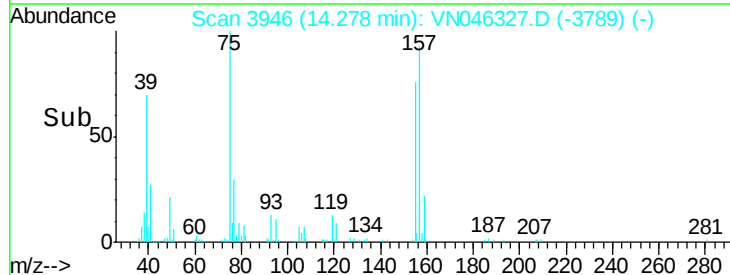
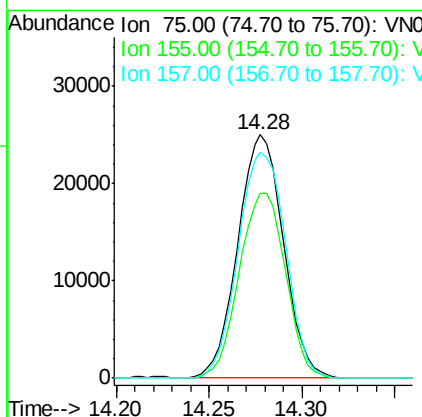
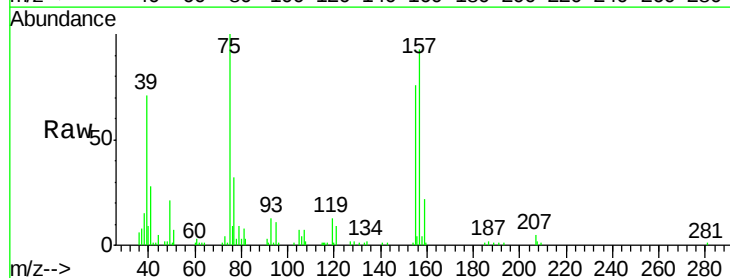
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

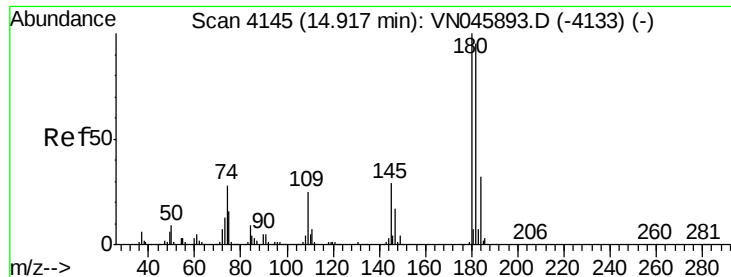
Tgt Ion: 146 Resp: 440480
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 63.7
 148 64.2 32.4 97.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.14 ug/l
 RT: 14.28 min Scan# 3946
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion: 75 Resp: 42845
 Ion Ratio Lower Upper
 75 100
 155 76.7 66.0 99.0
 157 96.5 85.4 128.0

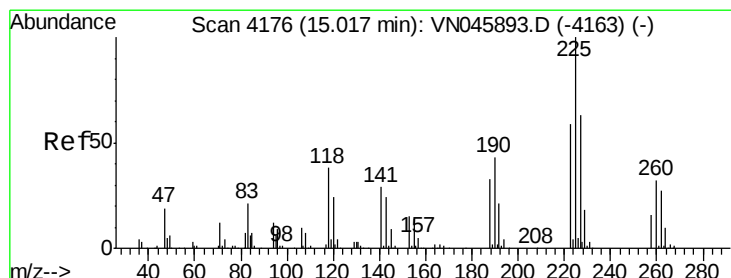
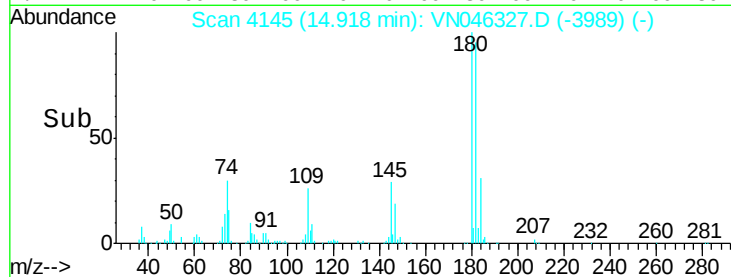
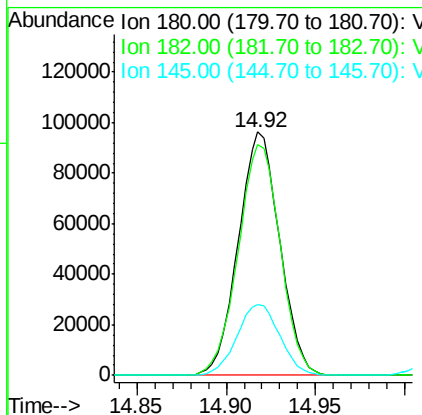
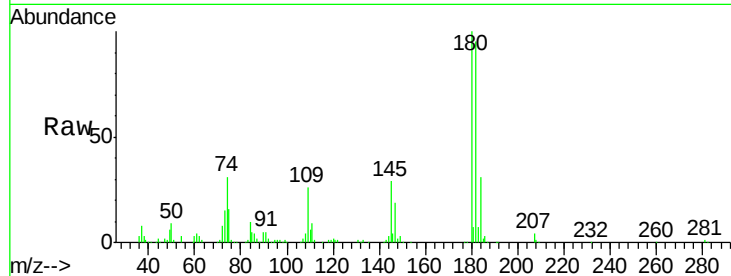




#89
 1,2,4-Trichlorobenzene
 Concen: 19.59 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

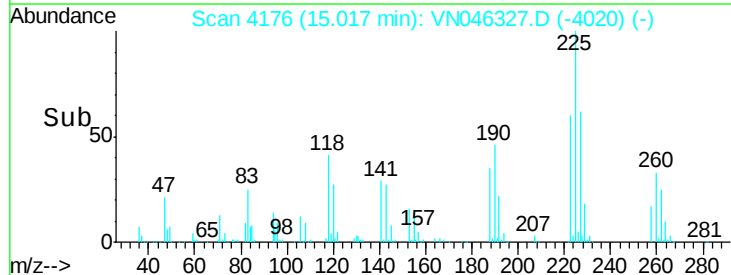
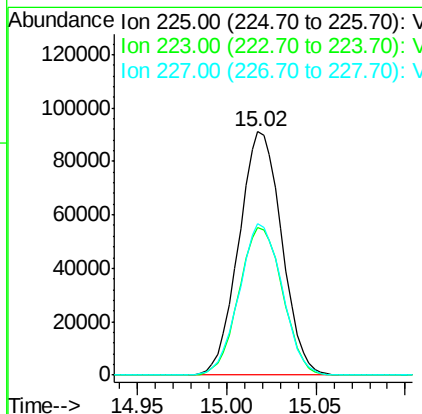
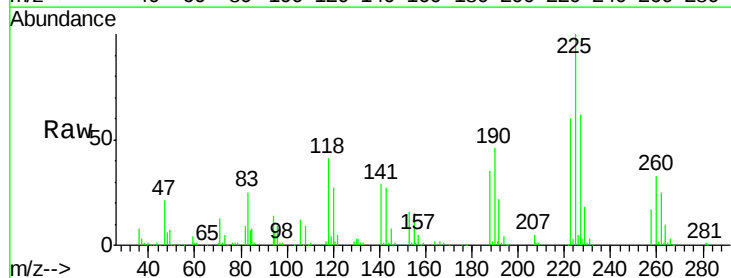
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

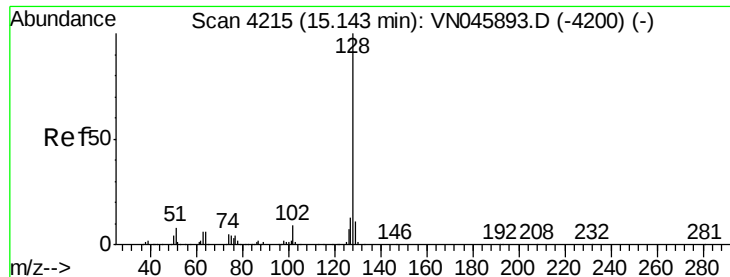
Tgt Ion:180 Resp: 156261
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.6
 145 30.1 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 29.11 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046327.D
 Acq: 5 Jan 2018 11:11

Tgt Ion:225 Resp: 152578
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 123.0
 227 62.2 0.0 129.2





#91

Naphthalene

Concen: 17.53 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

BFB

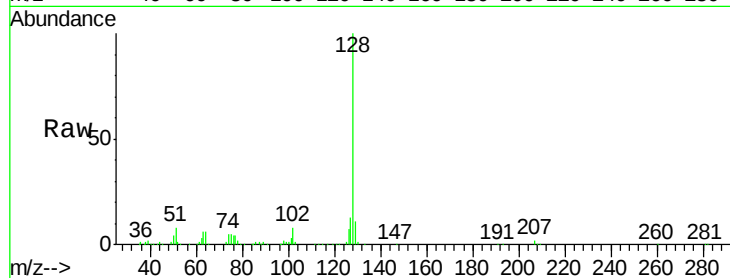
Tgt Ion:128 Resp: 286824

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

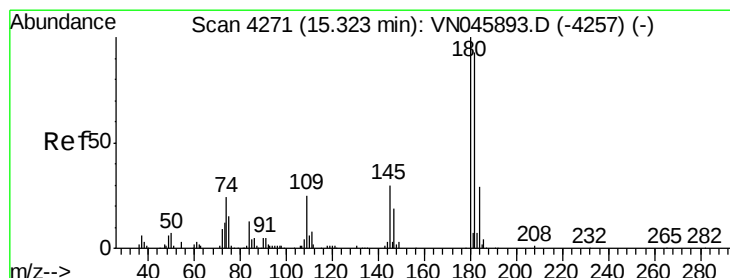
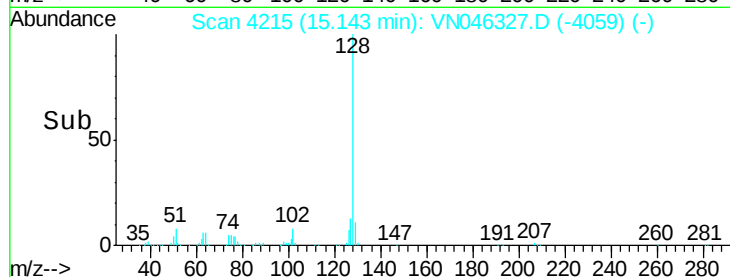
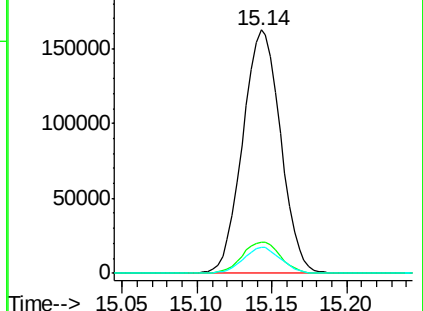
129 10.7 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 21.61 ug/l

RT: 15.33 min Scan# 4272

Delta R.T. 0.00 min

Lab File: VN046327.D

Acq: 5 Jan 2018 11:11

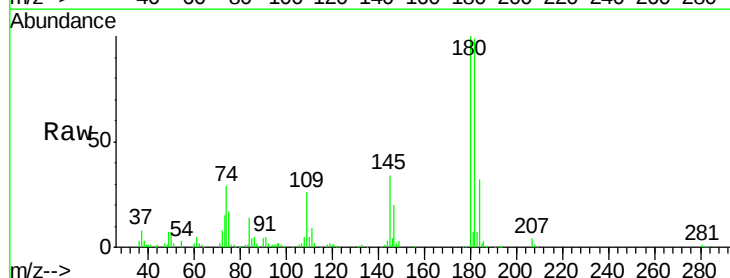
Tgt Ion:180 Resp: 171383

Ion Ratio Lower Upper

180 100

182 96.5 0.0 183.0

145 32.7 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

