

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054122.D
 Acq On : 6 Mar 2019 17:47
 Operator : JC/SP
 Sample : PB117652TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117652TB

Quant Time: Mar 07 07:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	579295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1038794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1025890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	358105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	358381	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.59	113	328113	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.09	98	1335017	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	438729	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	261	0.047	ug/l #	42
4) Vinyl Chloride	2.19	62	200	0.027	ug/l #	43
6) Chloroethane	2.69	64	244	0.053	ug/l #	43
7) Trichlorofluoromethane	3.01	101	423	0.046	ug/l #	18
9) 1,1,2-Trichlorotrifluoroet	3.75	101	454	0.076	ug/l #	43
12) 1,1-Dichloroethene	3.73	96	93	0.017	ug/l #	1
14) Allyl chloride	4.32	41	205	0.020	ug/l #	54
15) Acrylonitrile	4.99	53	60	0.025	ug/l #	1
20) Methylene Chloride	4.55	84	44646	5.817	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	213	0.035	ug/l #	8
22) Diisopropyl ether	6.06	45	72	0.004	ug/l #	39
23) Vinyl Acetate	5.90	43	372	0.027	ug/l #	73
27) cis-1,2-Dichloroethene	6.84	96	154	0.022	ug/l	11
28) Bromochloromethane	7.20	49	95	0.016	ug/l #	14
37) Ethyl Acetate	6.91	43	656	0.094	ug/l #	69
39) Methylcyclohexane	9.08	83	793	0.070	ug/l	87
40) Benzene	8.04	78	722	0.025	ug/l #	52
42) 1,2-Dichloroethane	8.14	62	64	0.007	ug/l #	74
44) Trichloroethene	8.84	130	530	0.069	ug/l	64
46) Dibromomethane	9.22	93	29	0.006	ug/l #	2
47) Bromodichloromethane	9.40	83	64	0.007	ug/l #	25
52) Toluene	10.16	92	2170	0.127	ug/l	87
53) t-1,3-Dichloropropene	10.39	75	367	0.039	ug/l #	44
56) Ethyl methacrylate	10.43	69	195	0.026	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.70	63	111	0.032	ug/l #	50
60) Dibromochloromethane	11.17	129	99	0.014	ug/l #	11
61) 1,2-Dibromoethane	11.01	107	125	0.020	ug/l #	28
64) Tetrachloroethene	10.63	164	466	0.055	ug/l	88
65) Chlorobenzene	11.43	112	1798	0.084	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	30	0.004	ug/l #	8
67) Ethyl Benzene	11.51	91	2045	0.057	ug/l #	87
68) m/p-Xylenes	11.62	106	1448	0.107	ug/l	92
69) o-Xylene	11.95	106	808	0.062	ug/l	88
70) Styrene	11.97	104	1179	0.057	ug/l #	83

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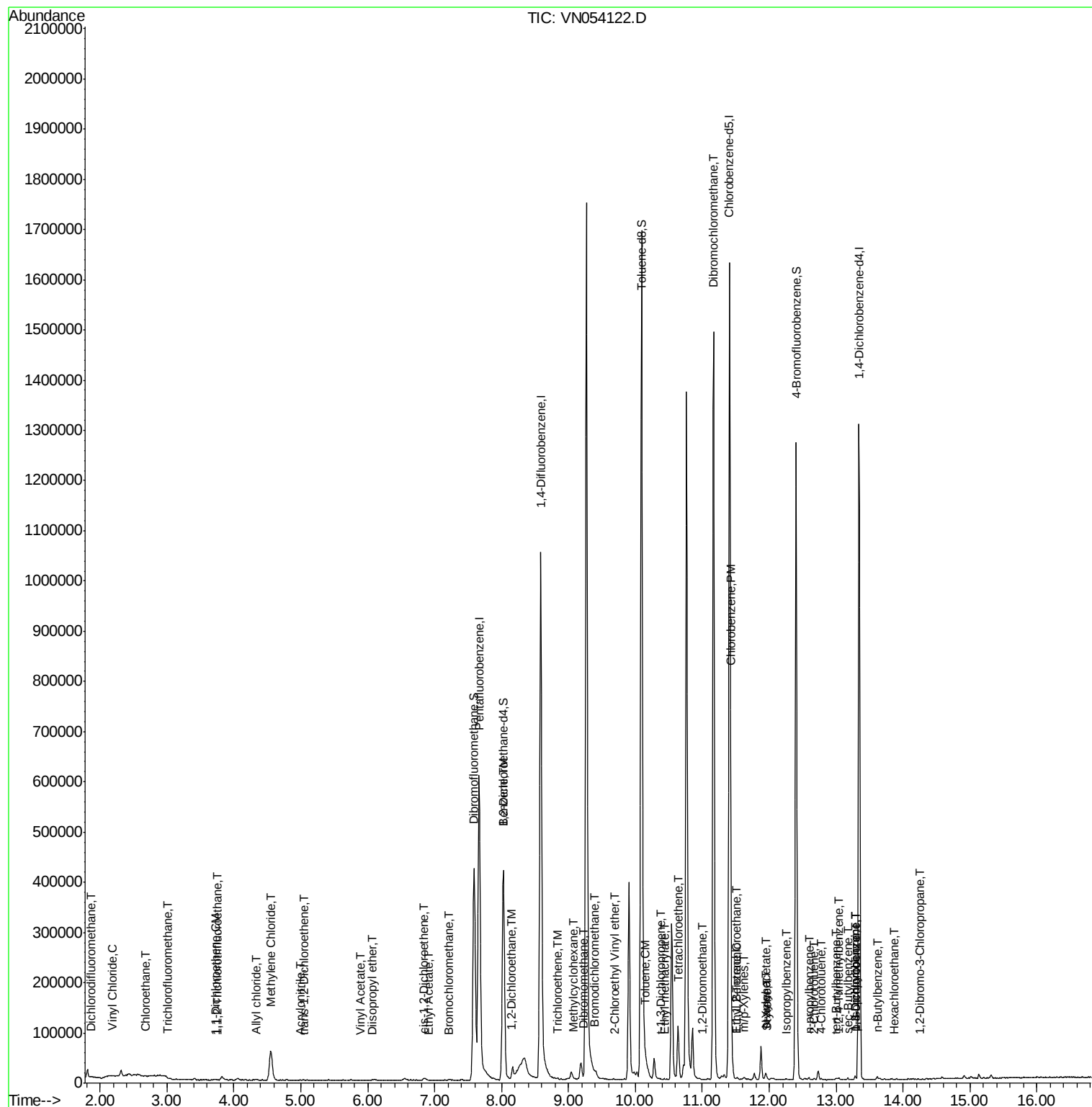
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	12.25	105	1535	0.054	ug/l	84
74) N-amyl acetate	11.95	43	849	0.113	ug/l #	38
78) n-propylbenzene	12.59	91	3211	0.100	ug/l	98
79) 2-Chlorotoluene	12.67	91	1627	0.084	ug/l	83
82) 4-Chlorotoluene	12.77	91	2257	0.116	ug/l	94
83) tert-Butylbenzene	12.99	119	1199	0.058	ug/l #	81
84) 1,2,4-Trimethylbenzene	13.04	105	1940	0.084	ug/l	93
85) sec-Butylbenzene	13.17	105	2760	0.099	ug/l	82
86) p-Isopropyltoluene	13.29	119	2134	0.091	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1764	0.141	ug/l	94
88) 1,4-Dichlorobenzene	13.29	146	1764	0.143	ug/l	94
89) n-Butylbenzene	13.61	91	3548	0.180	ug/l	92
90) Hexachloroethane	13.88	117	63	0.014	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32	0.031	ug/l #	1

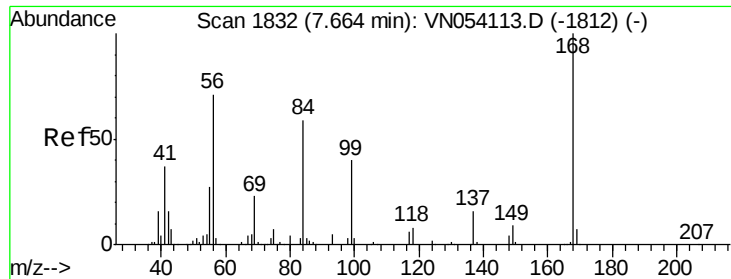
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

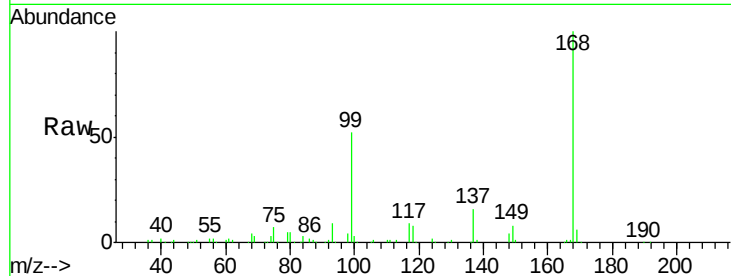
PB117652TB

Tot Ion:168 Resp: 579295

Ion Ratio Lower Upper

168 100

99 51.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

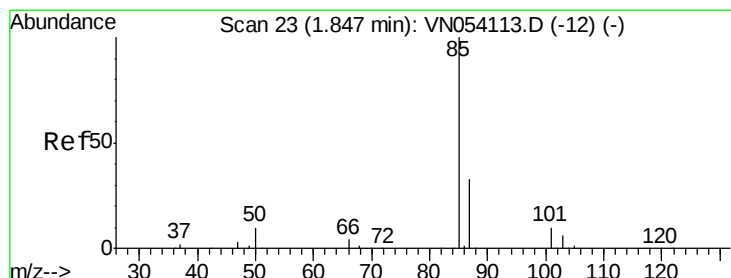
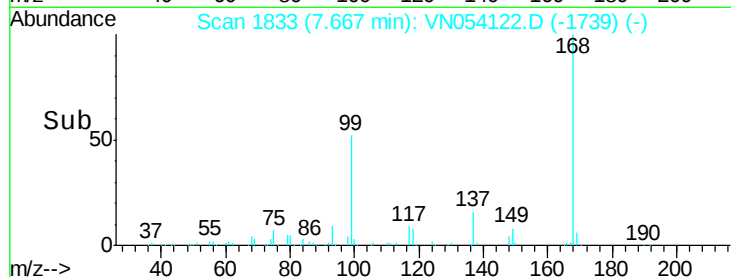
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 0.047 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054122.D

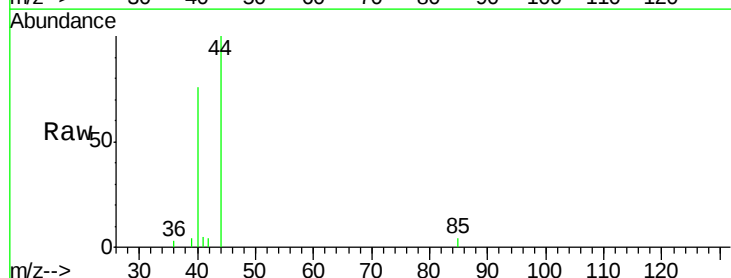
Acq: 6 Mar 2019 17:47

Tgt Ion: 85 Resp: 261

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

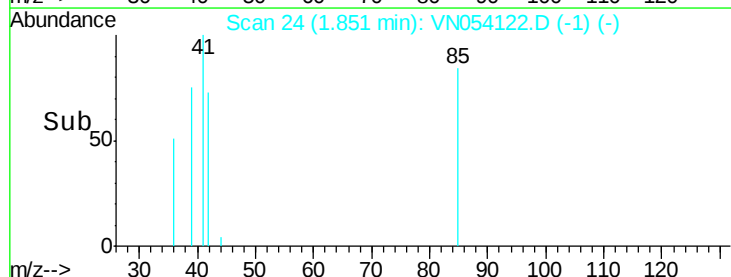
300

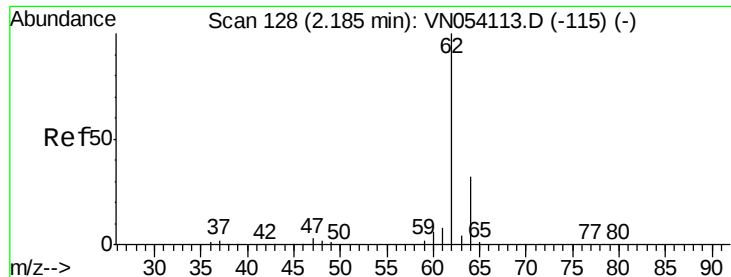
200

100

0

Time--> 1.82 1.84 1.86





#4

Vinyl Chloride

Concen: 0.027 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

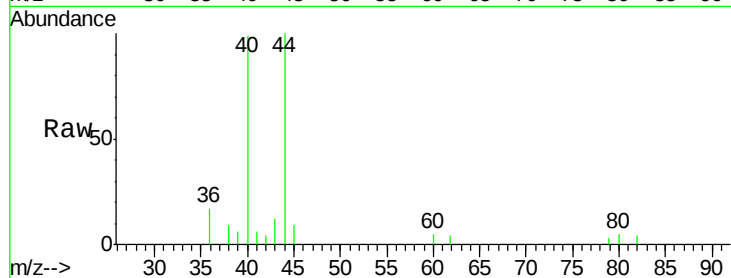
PB117652TB

Tot Ion: 62 Resp: 200

Ion Ratio Lower Upper

62 100

64 0.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

200

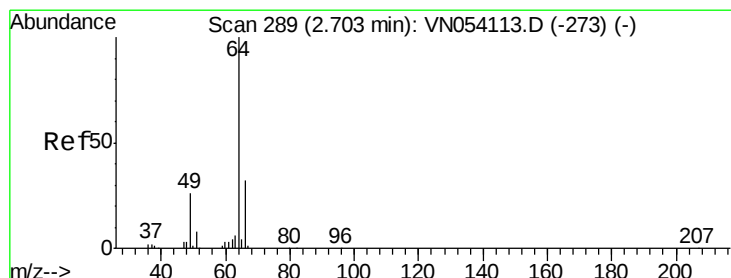
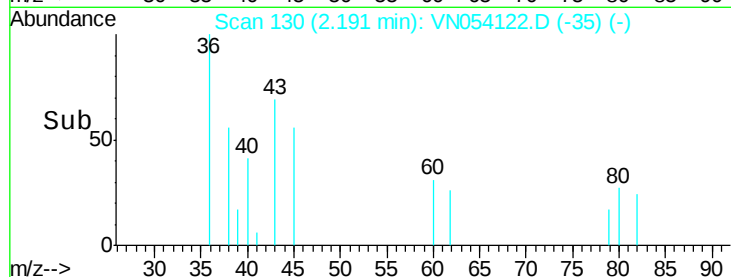
150

100

50

0

Time-->



#6

Chloroethane

Concen: 0.053 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN054122.D

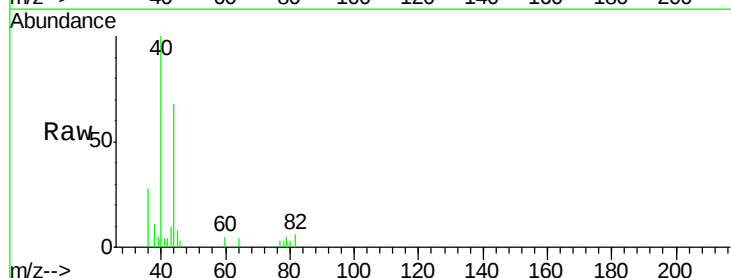
Acq: 6 Mar 2019 17:47

Tgt Ion: 64 Resp: 244

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

200

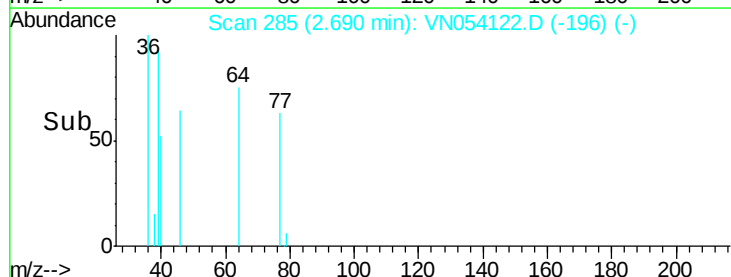
150

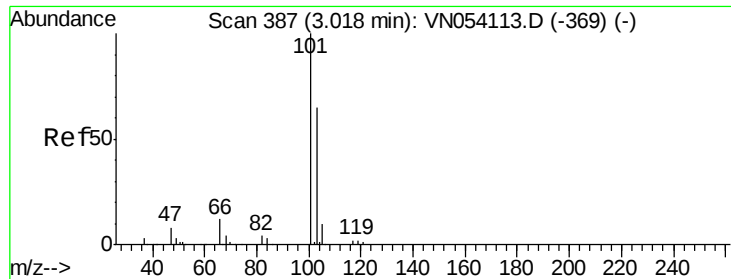
100

50

0

Time-->



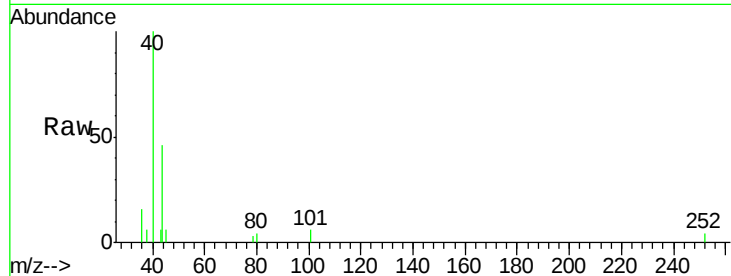


#7

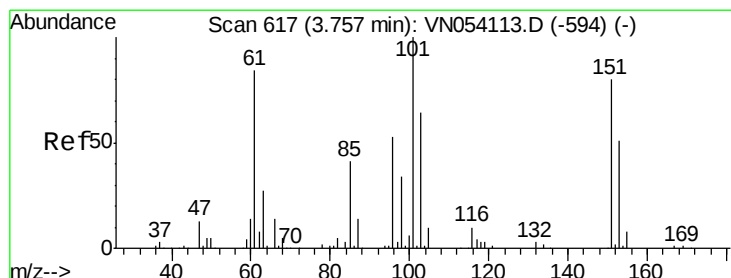
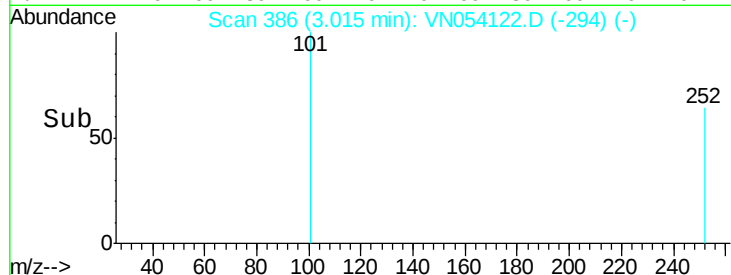
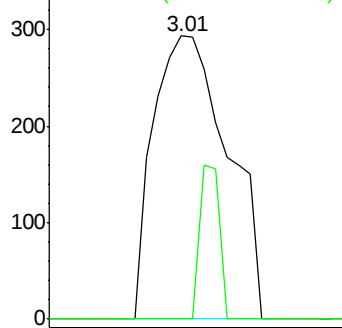
Trichlorofluoromethane
 Concen: 0.046 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117652TB

Tot Ion:101 Resp: 423
 Ion Ratio Lower Upper
 101 100
 103 0.0 52.0 78.0#



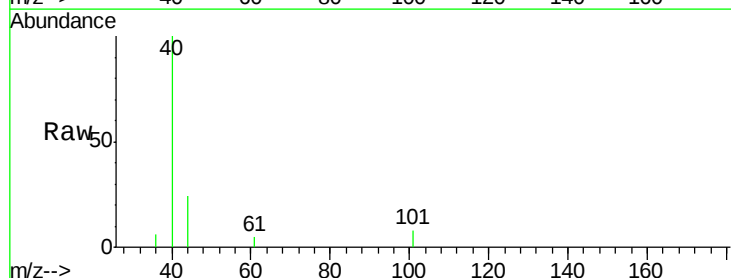
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



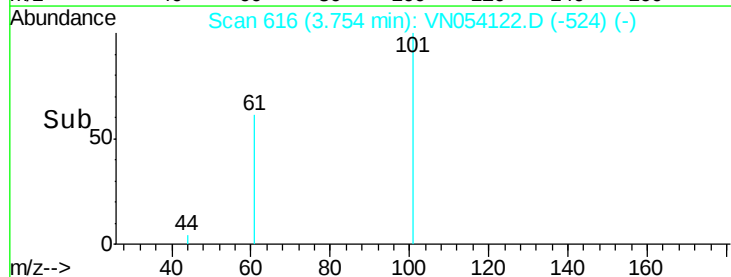
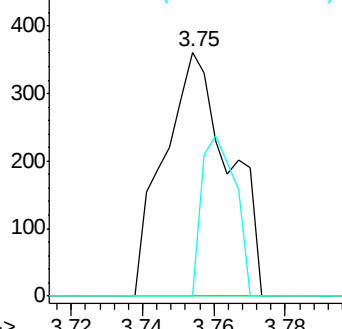
#9

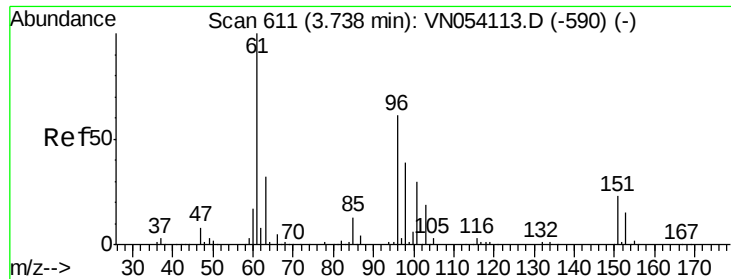
1,1,2-Trichlorotrifluoroethane
 Concen: 0.076 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Tgt Ion:101 Resp: 454
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.1 49.7#
 151 33.9 64.3 96.5#



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





#12

1,1-Dichloroethene

Concen: 0.017 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

PB117652TB

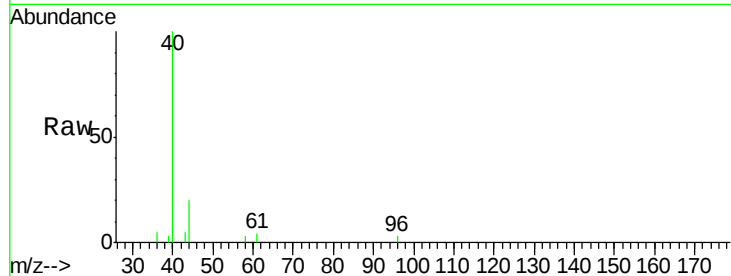
Tot Ion: 96 Resp: 93

Ion Ratio Lower Upper

96 100

61 0.0 131.2 196.8#

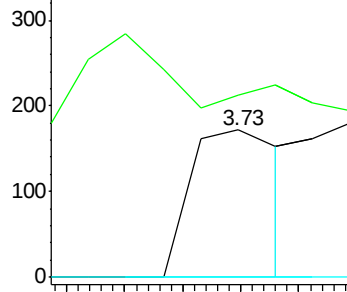
98 0.0 50.7 76.1#



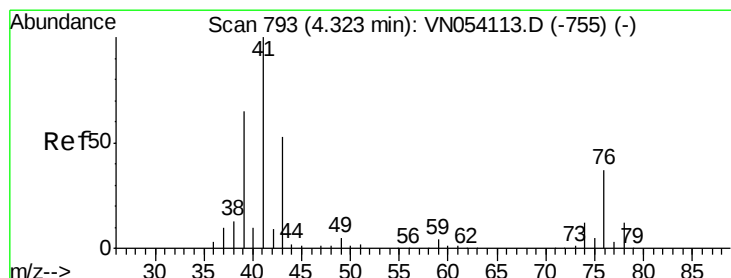
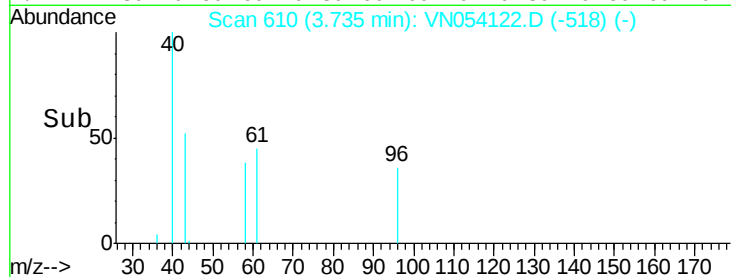
Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



Time--> 3.72 3.73 3.73 3.73 3.74



#14

Allyl chloride

Concen: 0.020 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

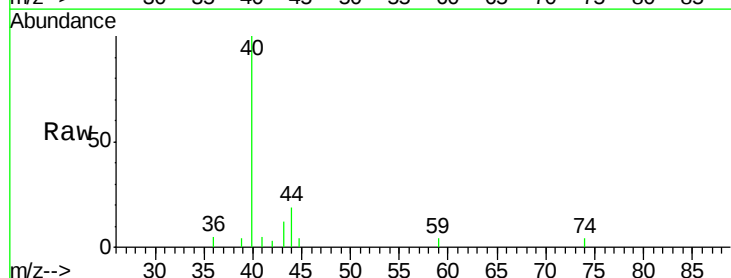
Tgt Ion: 41 Resp: 205

Ion Ratio Lower Upper

41 100

39 91.2 49.3 73.9#

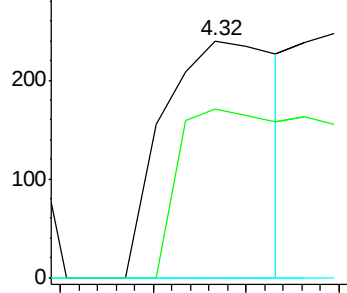
76 0.0 26.5 39.7#



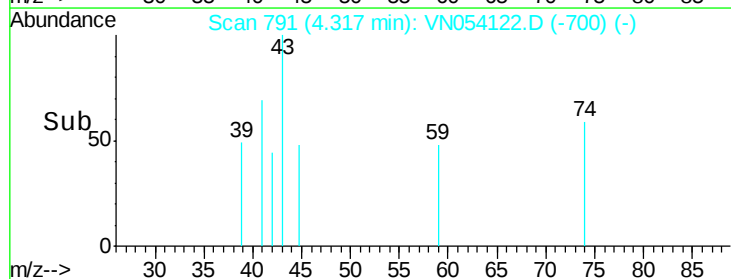
Abundance Ion 41.00 (40.70 to 41.70): VNO

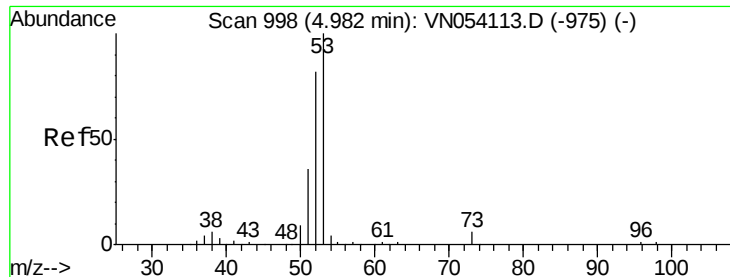
Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO



Time--> 4.30 4.31 4.32 4.32 4.32





#15

Acrylonitrile

Concen: 0.025 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

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ClientSampled :

PB117652TB

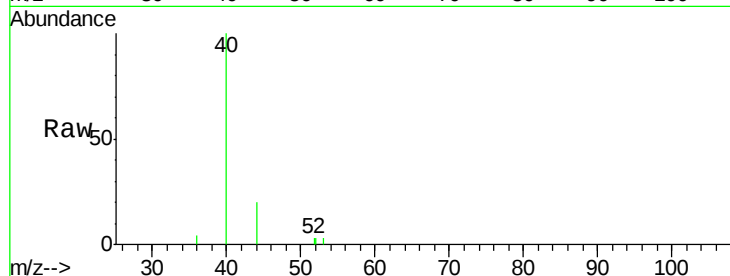
Tot Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 225.0 64.6 97.0#

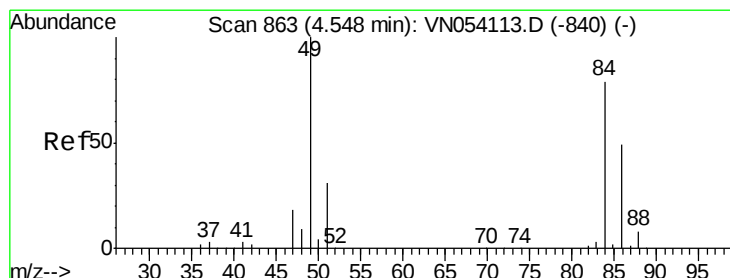
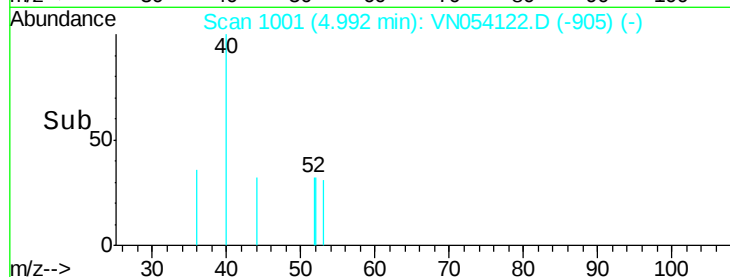
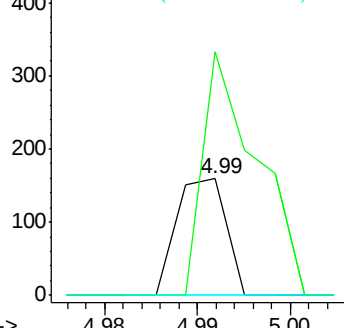
51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

Ion 51.00 (50.70 to 51.70): VNC



#20

Methylene Chloride

Concen: 5.817 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Tgt Ion: 84 Resp: 44646

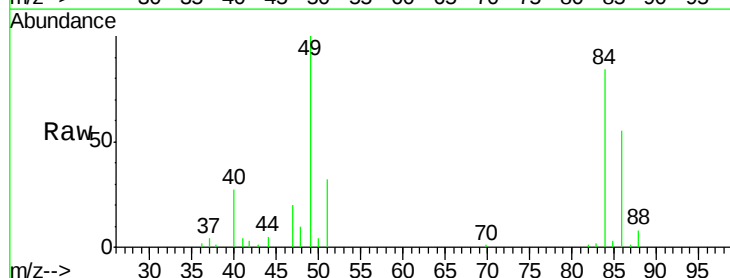
Ion Ratio Lower Upper

84 100

49 119.3 101.8 152.8

51 38.2 31.1 46.7

86 66.0 49.7 74.5

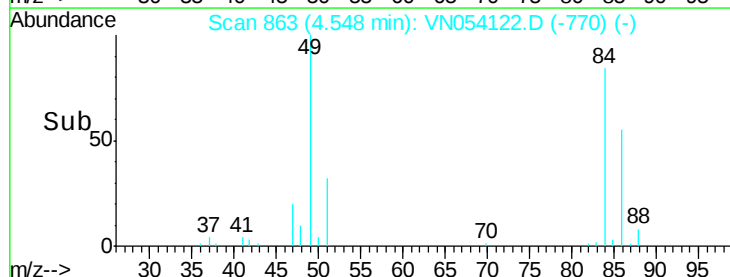
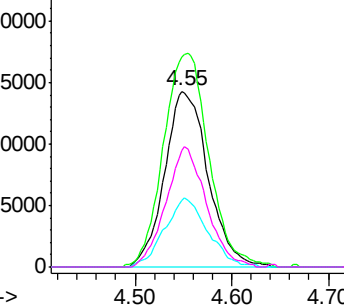


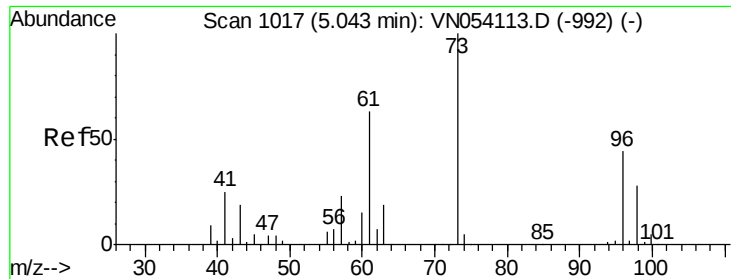
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

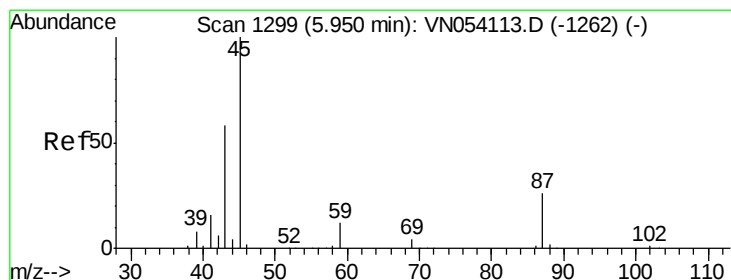
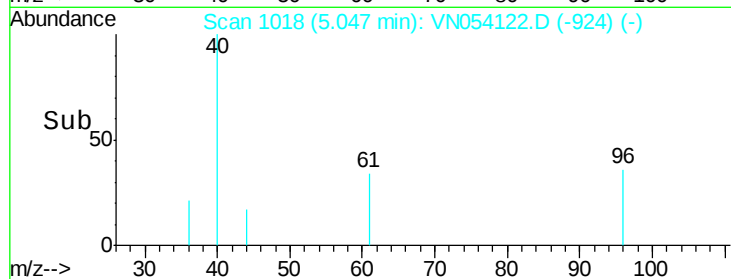
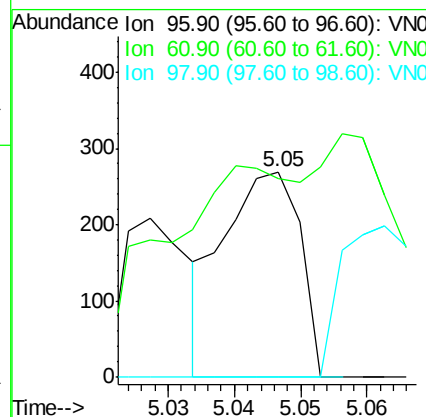
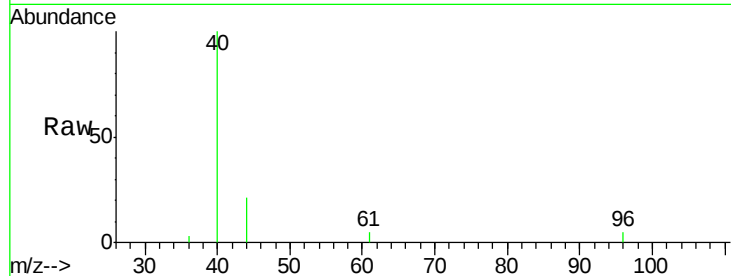




#21
trans-1,2-Dichloroethene
Concen: 0.035 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

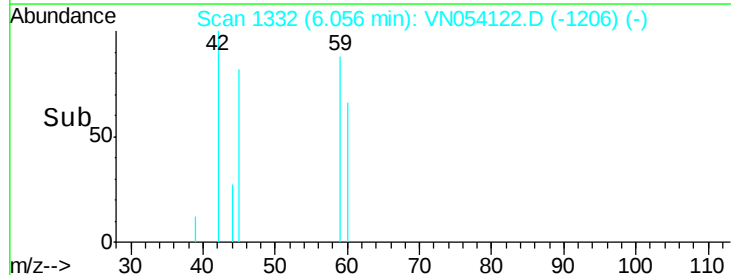
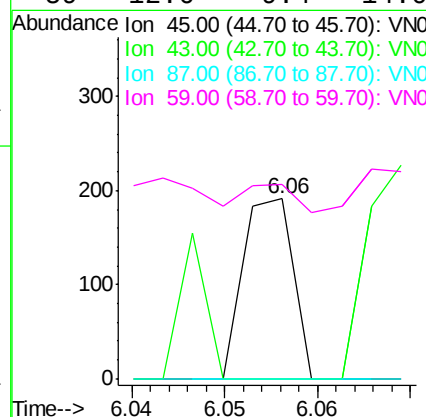
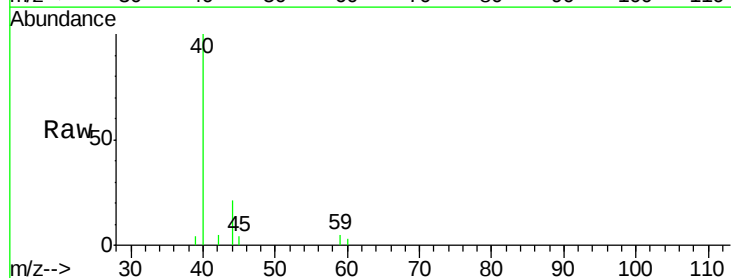
Instrument :
MSVOA_N
ClientSampled :
PB117652TB

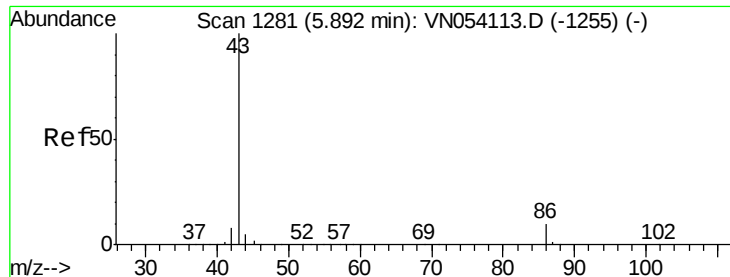
Tot Ion: 96 Resp: 213
Ion Ratio Lower Upper
96 100
61 24.9 114.8 172.2#
98 0.0 51.4 77.0#



#22
Diisopropyl ether
Concen: 0.004 ug/l
RT: 6.06 min Scan# 1332
Delta R.T. 0.11 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion: 45 Resp: 72
Ion Ratio Lower Upper
45 100
43 0.0 46.2 69.4#
87 0.0 20.6 31.0#
59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 0.027 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

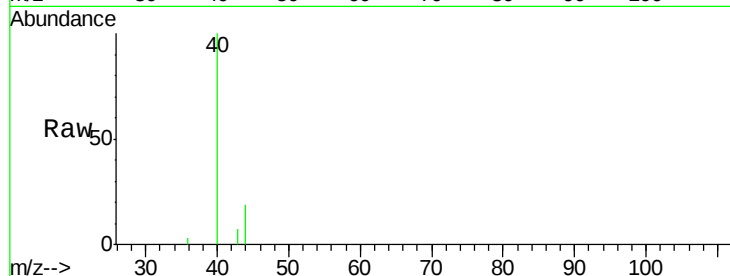
PB117652TB

Tot Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400

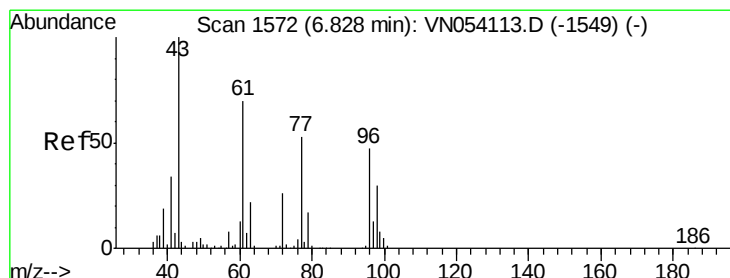
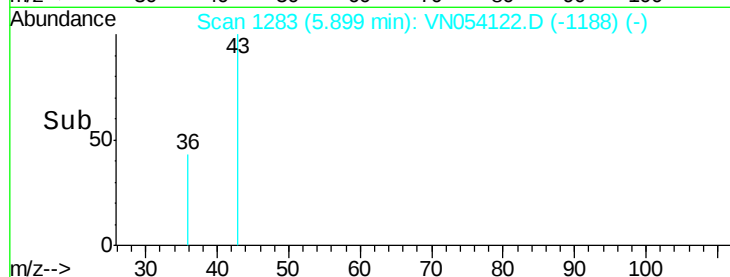
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.022 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

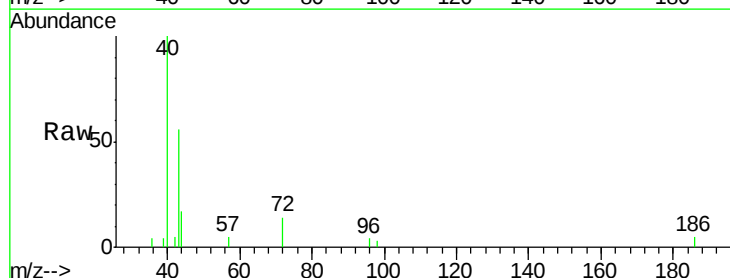
Tgt Ion: 96 Resp: 154

Ion Ratio Lower Upper

96 100

61 18.8 0.0 297.0

98 19.5 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

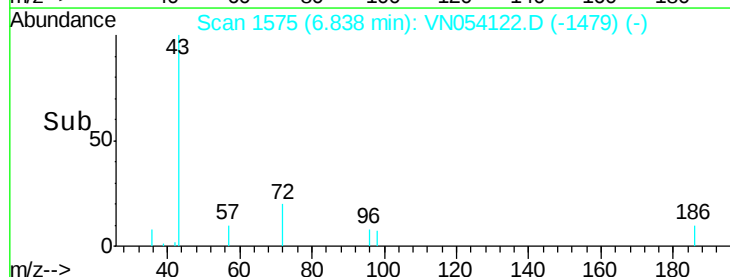
300

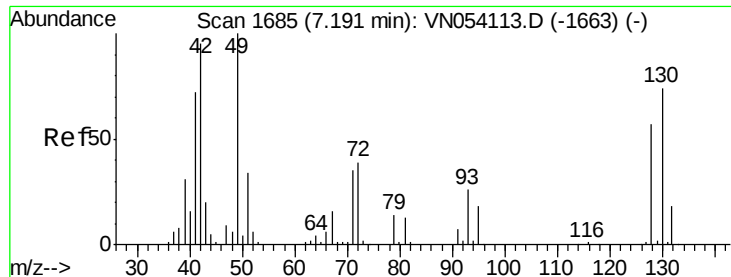
200

100

0

Time-->





#28

Bromochloromethane

Concen: 0.016 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

PB117652TB

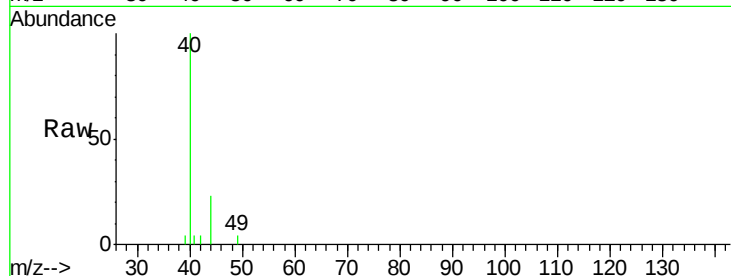
Tot Ion: 49 Resp: 95

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#



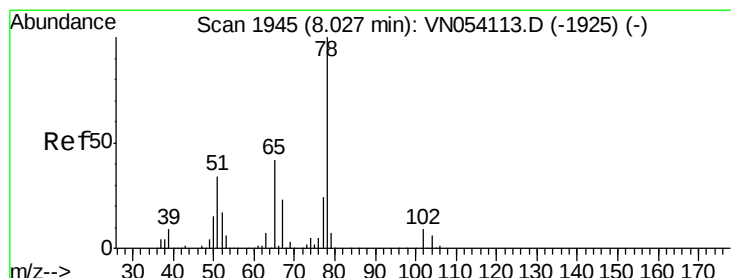
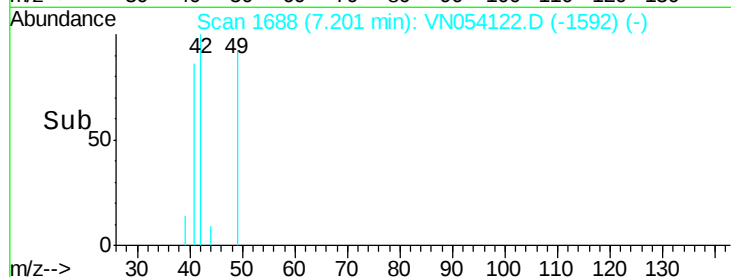
Abundance Ion 48.90 (48.60 to 49.60): VN054113.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054113.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054113.D (-1663) (-)

Time-->

7.19 7.20 7.21



#33

1,2-Dichloroethane-d4

Concen: 51.513 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054122.D

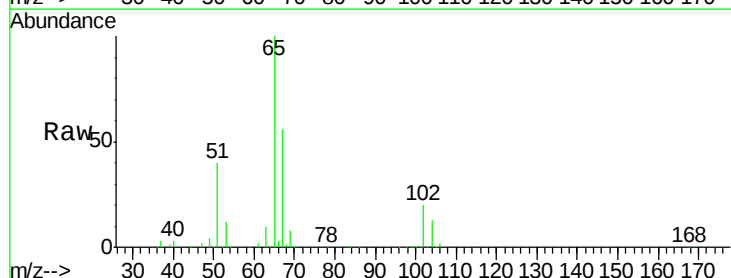
Acq: 6 Mar 2019 17:47

Tgt Ion: 65 Resp: 358381

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6

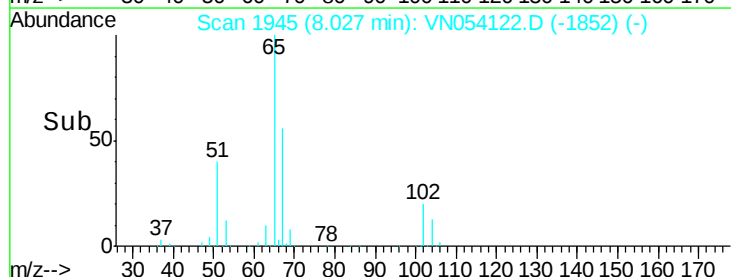


Abundance Ion 64.90 (64.60 to 65.60): VN054113.D (-1925) (-)

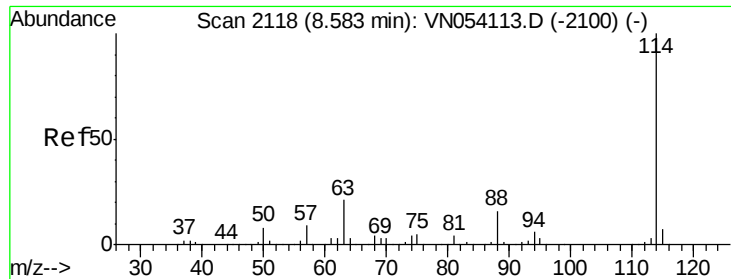
Ion 66.90 (66.60 to 67.60): VN054113.D (-1925) (-)

Time-->

7.90 8.00 8.10 8.20



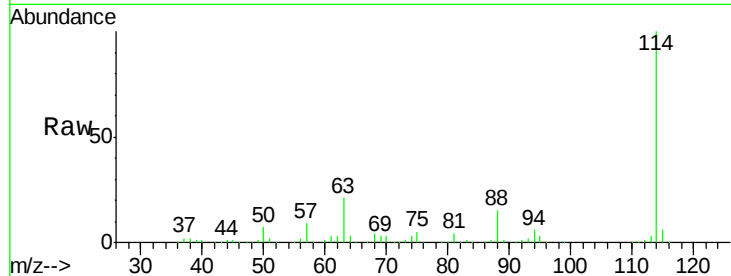
Time-->



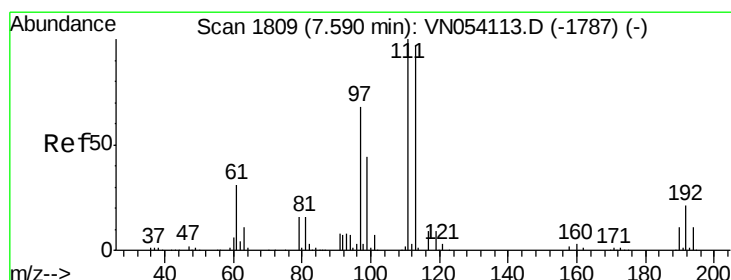
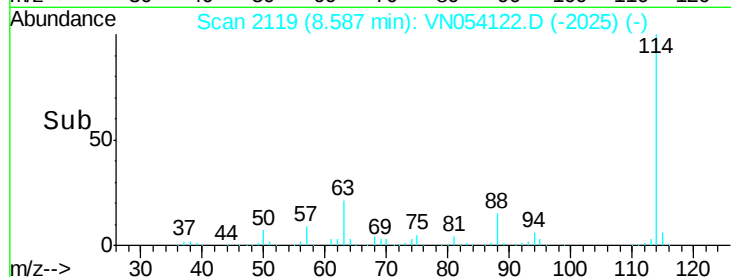
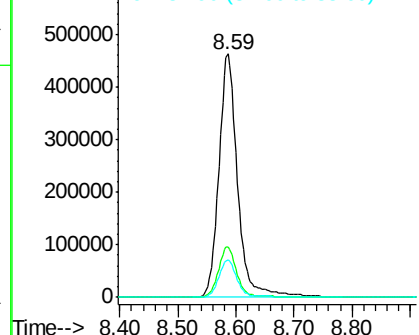
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117652TB

Tot Ion:114 Resp: 1038794
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.4 0.0 31.8

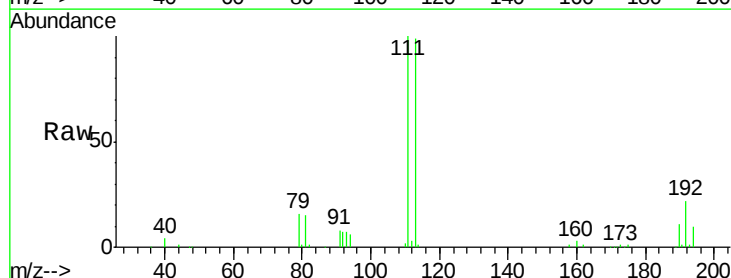


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

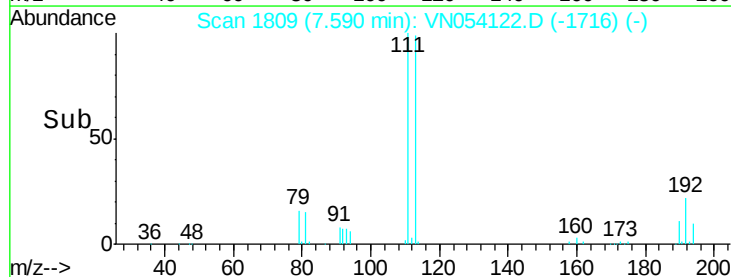
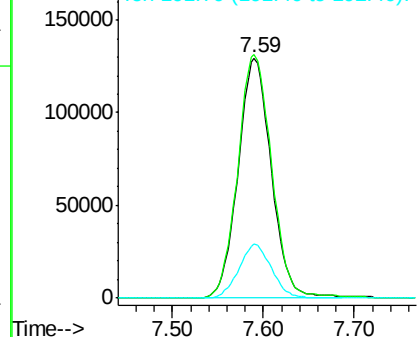


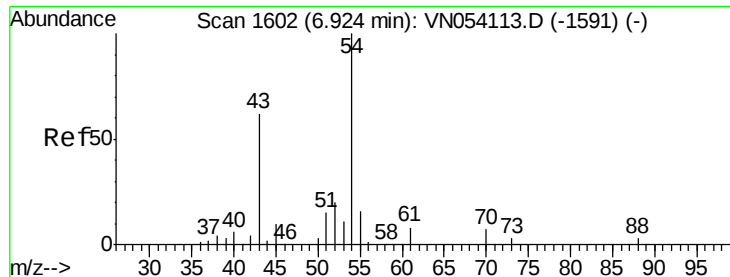
#35
 Dibromofluoromethane
 Concen: 48.633 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Tgt Ion:113 Resp: 328113
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.1 123.1
 192 22.1 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

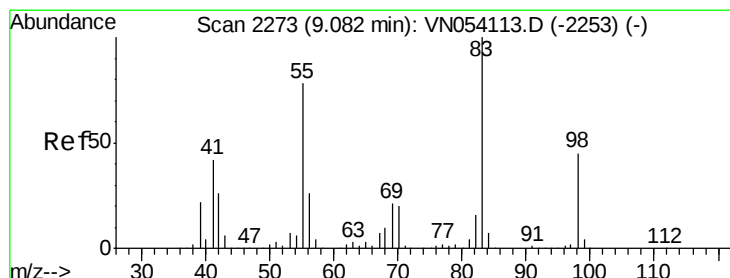
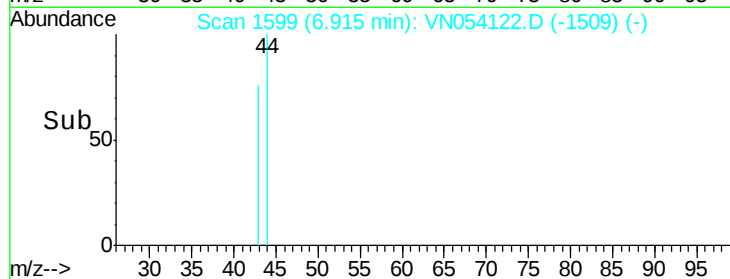
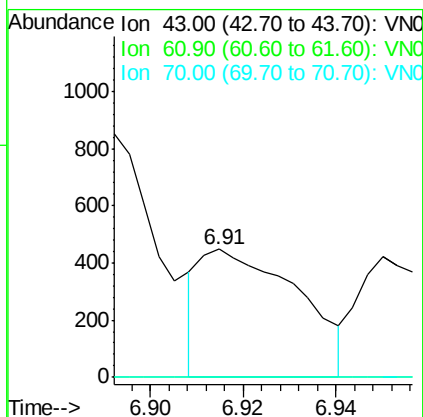
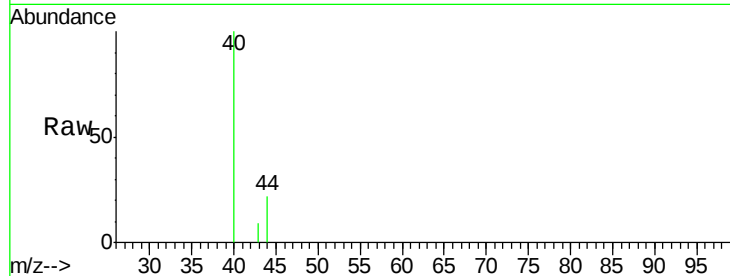




#37
Ethyl Acetate
Concen: 0.094 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

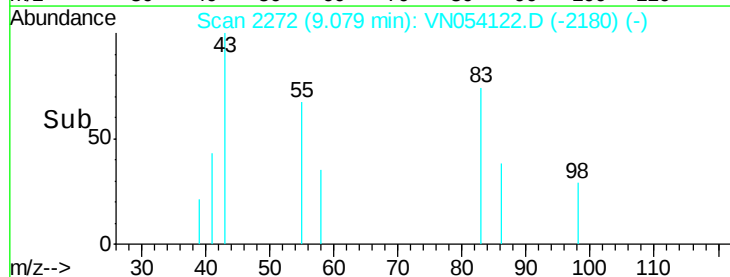
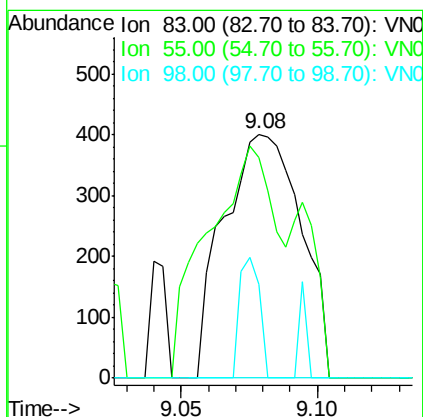
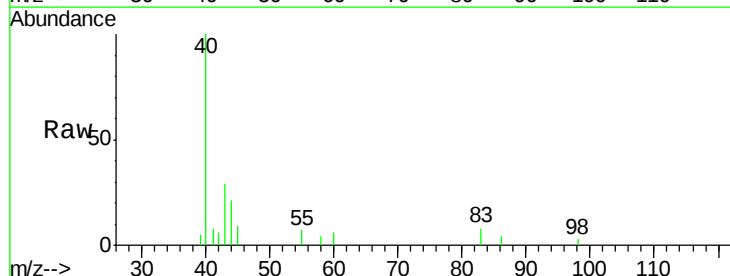
Instrument :
MSVOA_N
ClientSampled :
PB117652TB

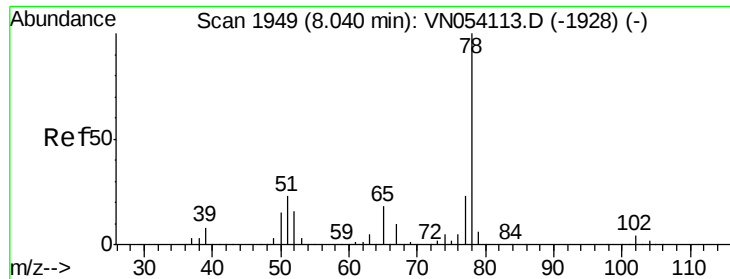
Tot Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 7.6 11.4#



#39
Methylcyclohexane
Concen: 0.070 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion: 83 Resp: 793
Ion Ratio Lower Upper
83 100
55 90.8 62.1 93.1
98 38.4 36.0 54.0





#40

Benzene

Concen: 0.025 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

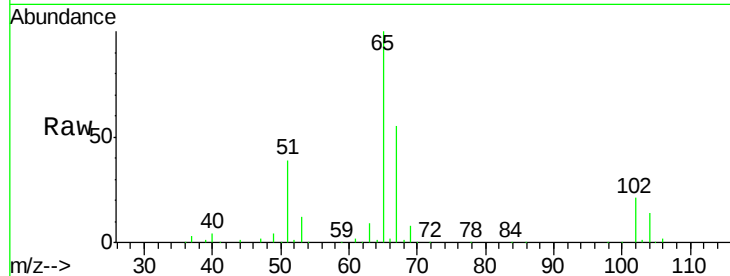
PB117652TB

Tot Ion: 78 Resp: 722

Ion Ratio Lower Upper

78 100

77 0.0 18.7 28.1#



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

400

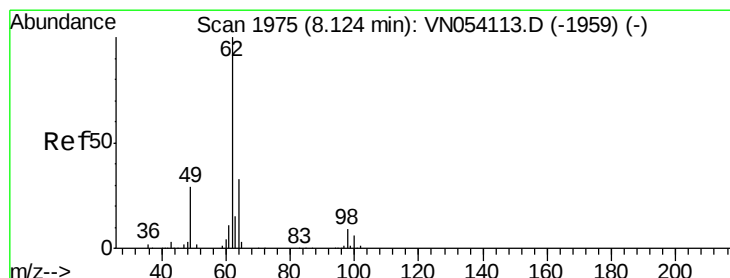
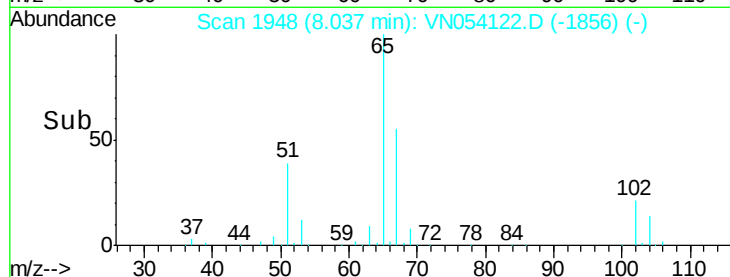
300

200

100

0

Time-->



#42

1,2-Dichloroethane

Concen: 0.007 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VN054122.D

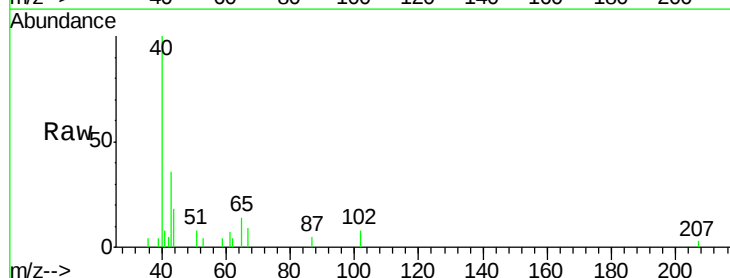
Acq: 6 Mar 2019 17:47

Tgt Ion: 62 Resp: 64

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.14

200

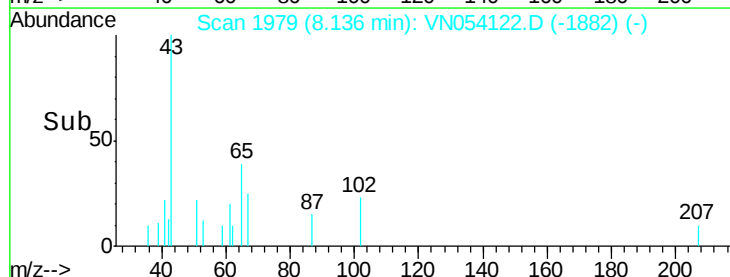
150

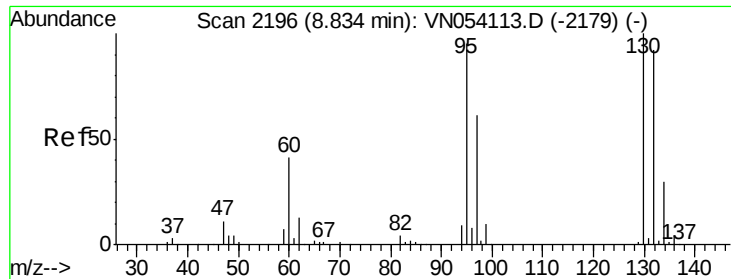
100

50

0

Time-->





#44

Trichloroethene

Concen: 0.069 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

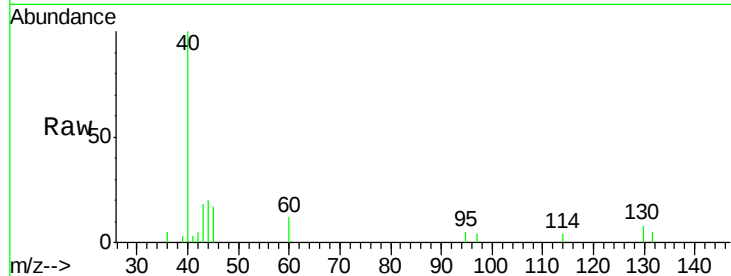
PB117652TB

Tot Ion:130 Resp: 530

Ion Ratio Lower Upper

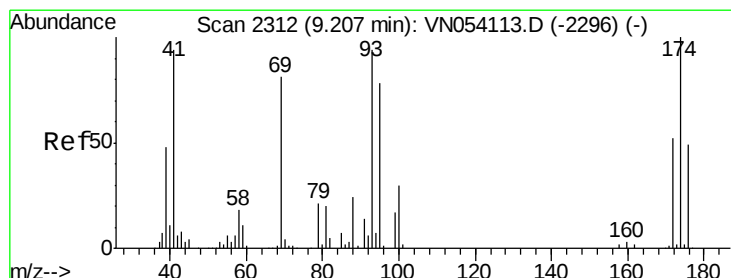
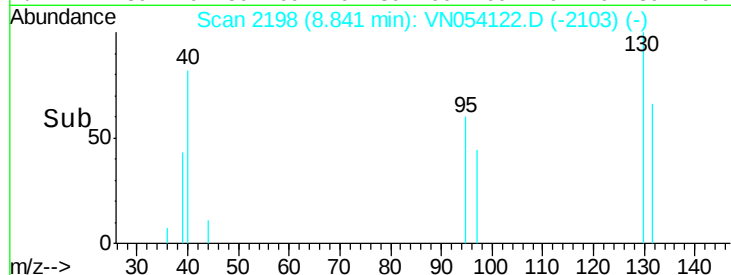
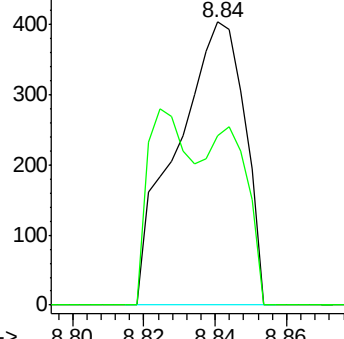
130 100

95 60.0 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

Dibromomethane

Concen: 0.006 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

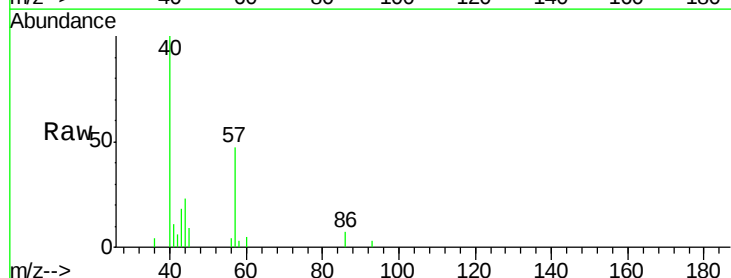
Tgt Ion: 93 Resp: 29

Ion Ratio Lower Upper

93 100

95 0.0 66.1 99.1#

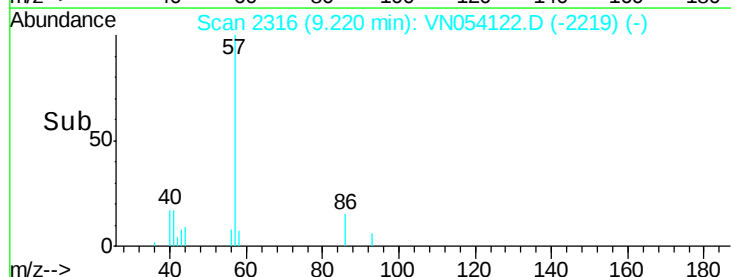
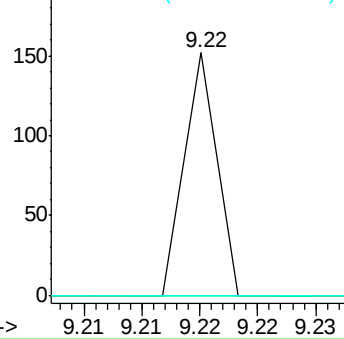
174 0.0 86.1 129.1#

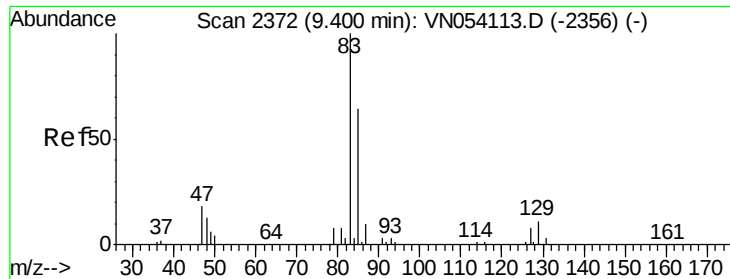


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.007 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

PB117652TB

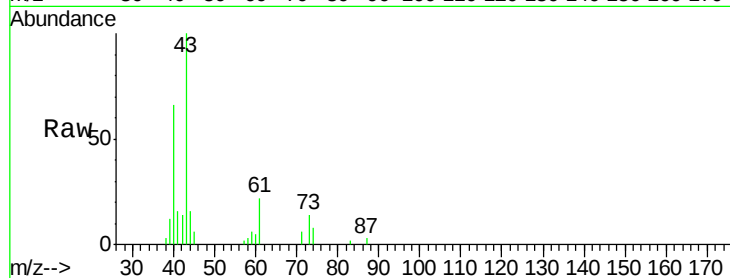
Tot Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.4#

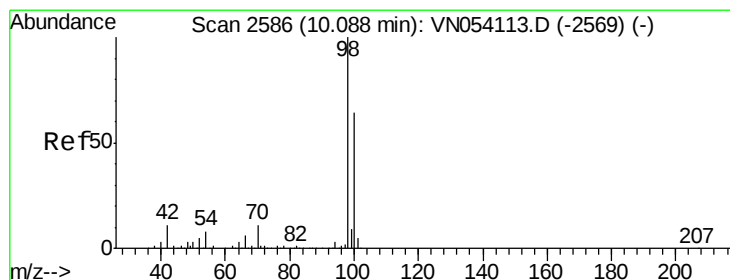
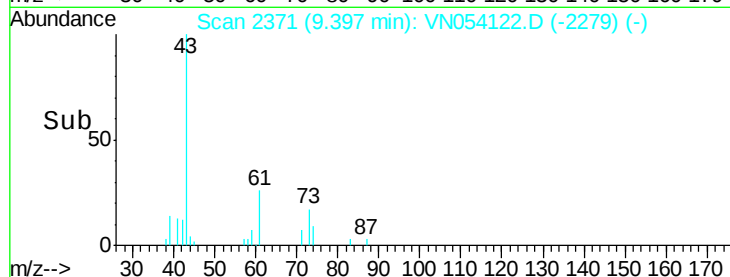
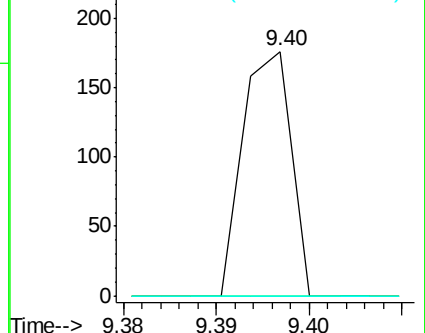
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 52.108 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054122.D

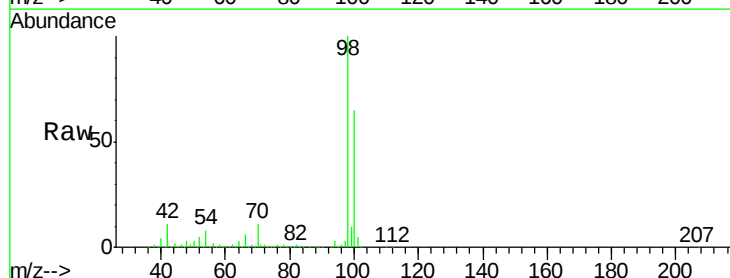
Acq: 6 Mar 2019 17:47

Tgt Ion: 98 Resp: 1335017

Ion Ratio Lower Upper

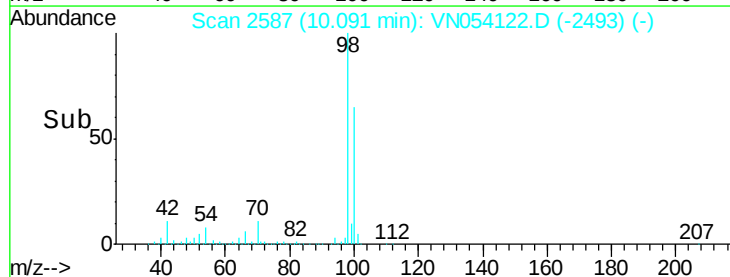
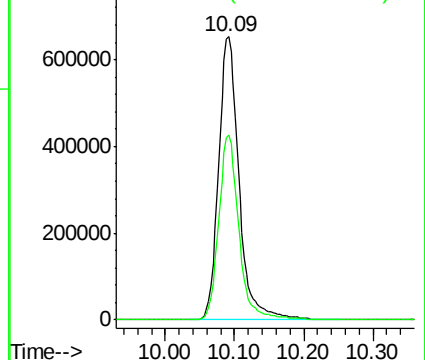
98 100

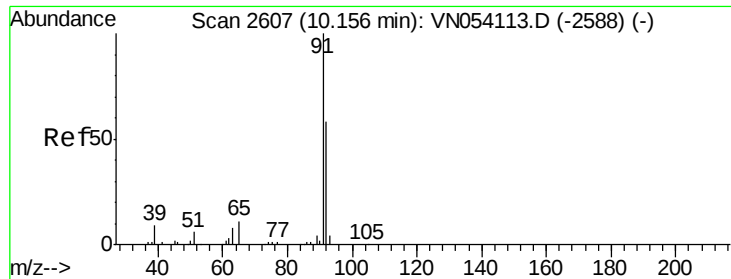
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.127 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

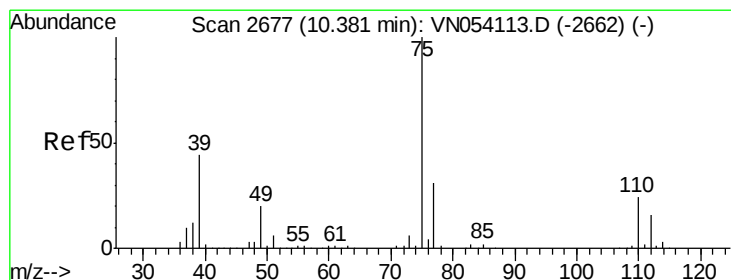
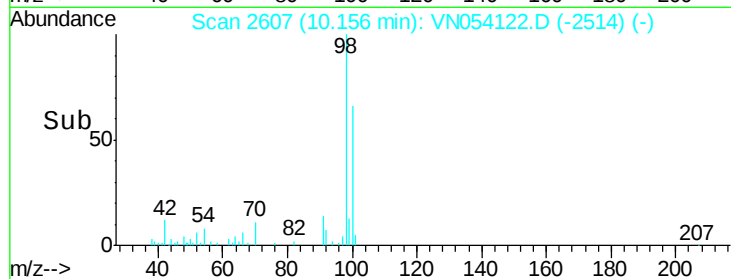
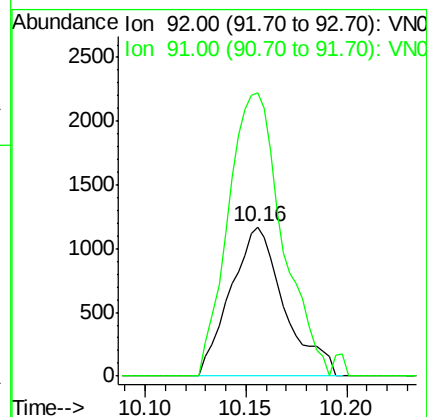
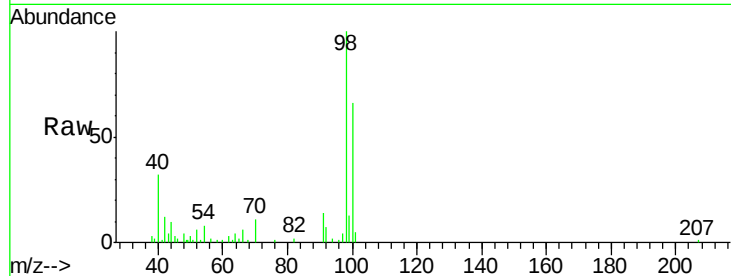
PB117652TB

Tot Ion: 92 Resp: 2170

Ion Ratio Lower Upper

92 100

91 191.8 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 0.039 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054122.D

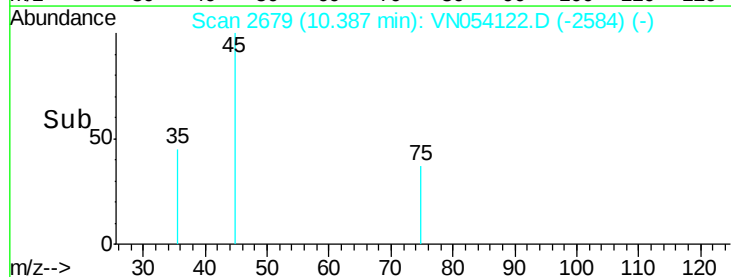
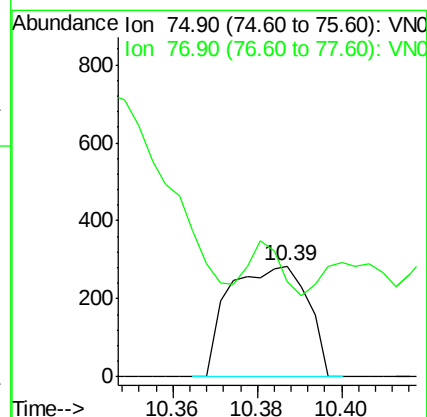
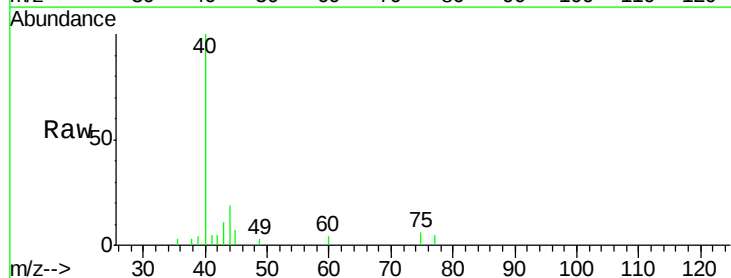
Acq: 6 Mar 2019 17:47

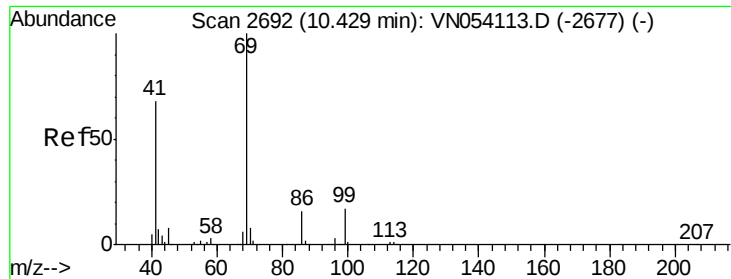
Tgt Ion: 75 Resp: 367

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#





#56

Ethyl methacrylate

Concen: 0.026 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

PB117652TB

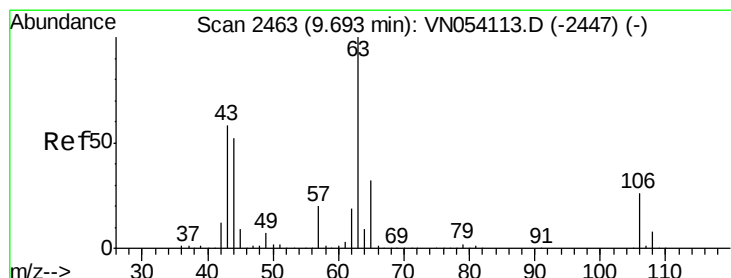
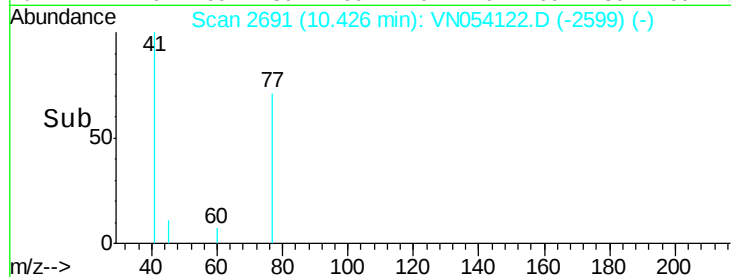
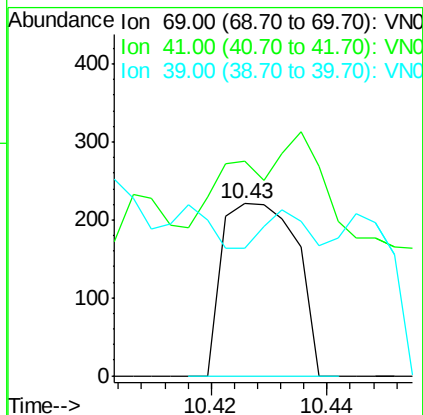
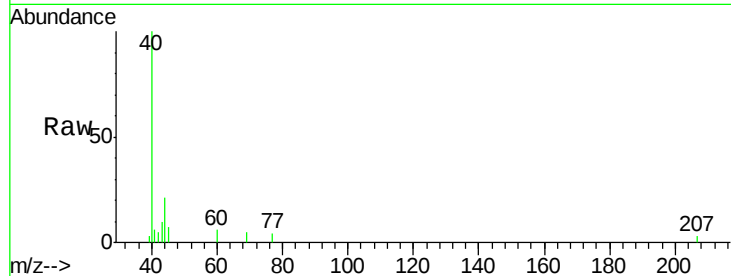
Tot Ion: 69 Resp: 195

Ion Ratio Lower Upper

69 100

41 0.0 53.4 80.2#

39 0.0 25.6 38.4#



#58

2-Chloroethyl Vinyl ether

Concen: 0.032 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054122.D

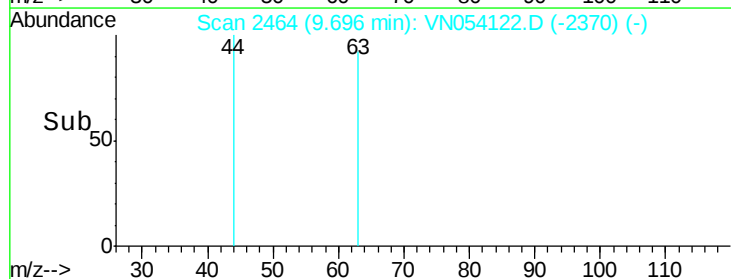
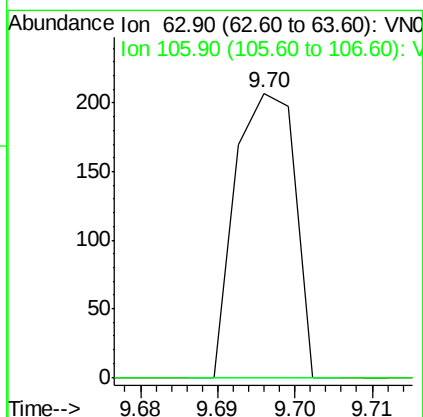
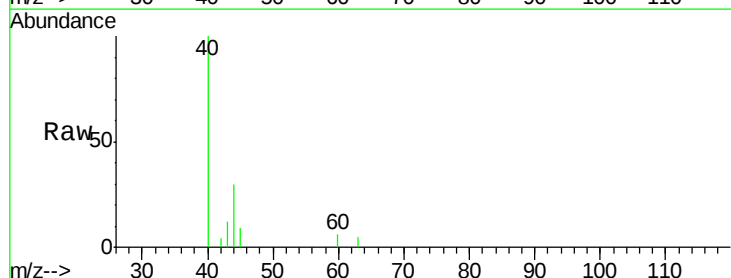
Acq: 6 Mar 2019 17:47

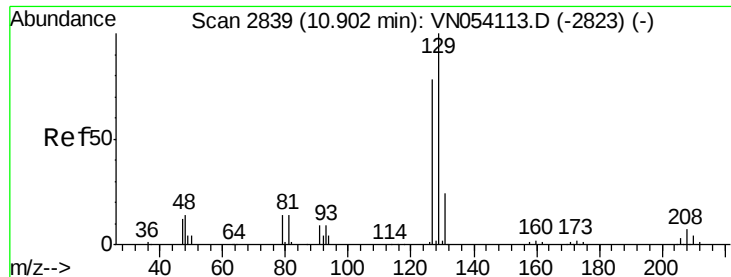
Tgt Ion: 63 Resp: 111

Ion Ratio Lower Upper

63 100

106 0.0 20.2 30.2#





#60

Dibromochloromethane

Concen: 0.014 ug/l

RT: 11.17 min Scan# 2922

Delta R.T. 0.27 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

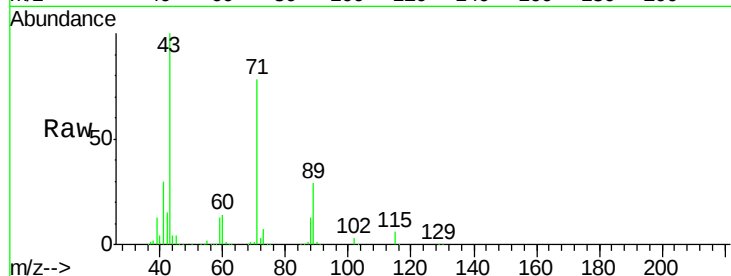
PB117652TB

Tot Ion:129 Resp: 99

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.17

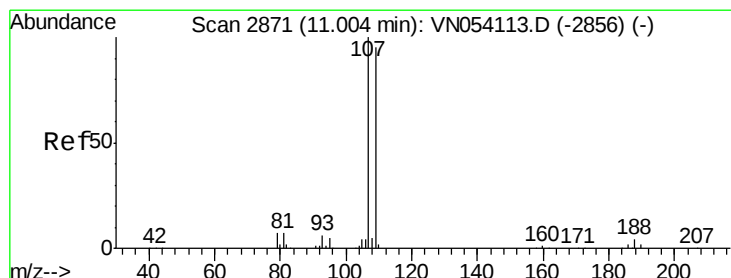
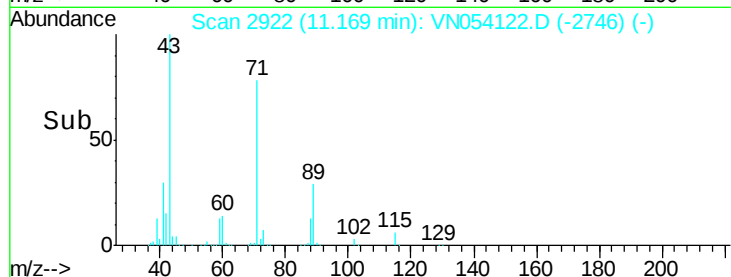
150

100

50

0

Time--> 11.15 11.16 11.17 11.18



#61

1,2-Dibromoethane

Concen: 0.020 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.01 min

Lab File: VN054122.D

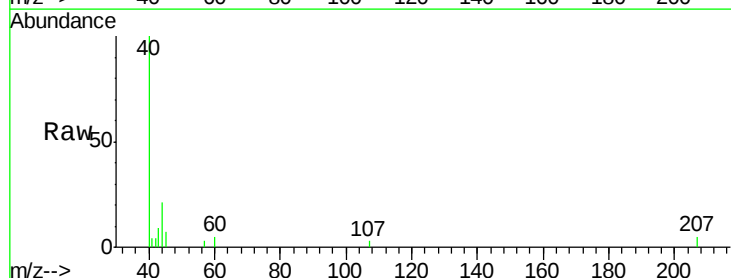
Acq: 6 Mar 2019 17:47

Tgt Ion:107 Resp: 125

Ion Ratio Lower Upper

107 100

109 24.0 74.9 112.3#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

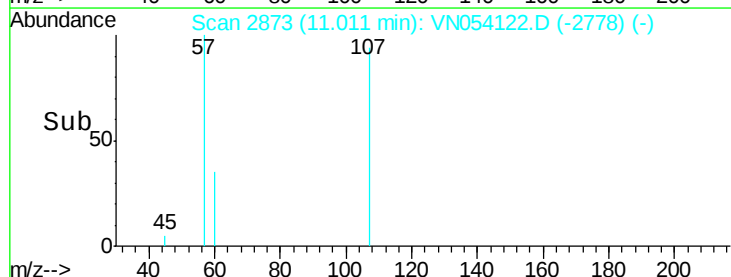
150

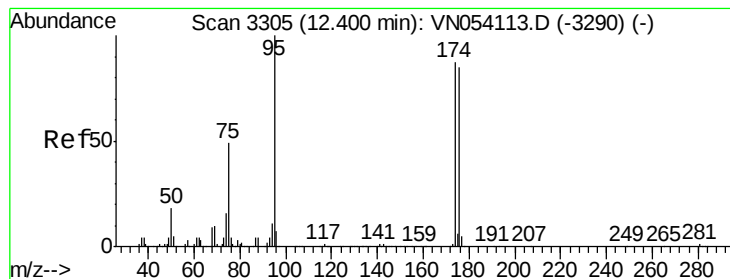
100

50

0

Time--> 11.00 11.01 11.02





#62

4-Bromofluorobenzene

Concen: 52.598 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

PB117652TB

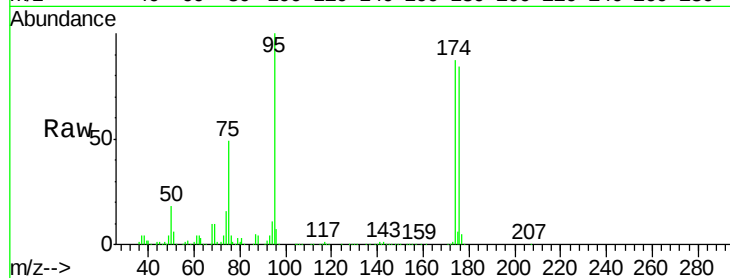
Tot Ion: 95 Resp: 438729

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.2

176 85.2 0.0 168.8

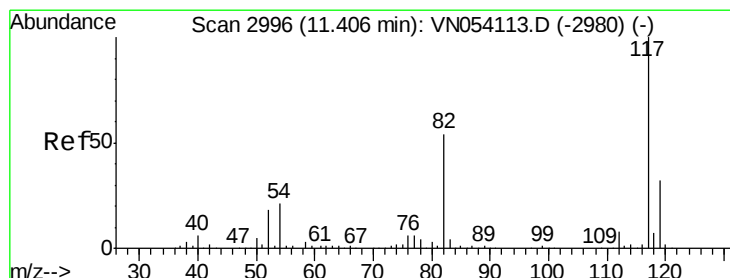
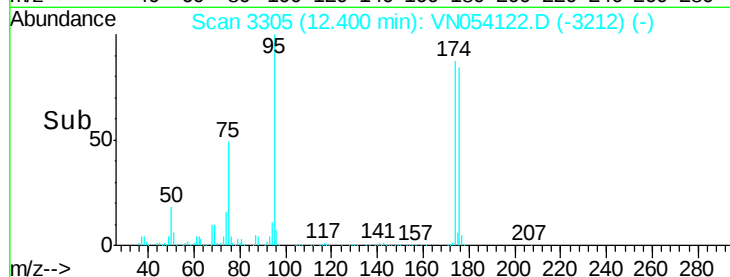


Abundance Ion 94.90 (94.60 to 95.60): VN054113.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN054113.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN054113.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

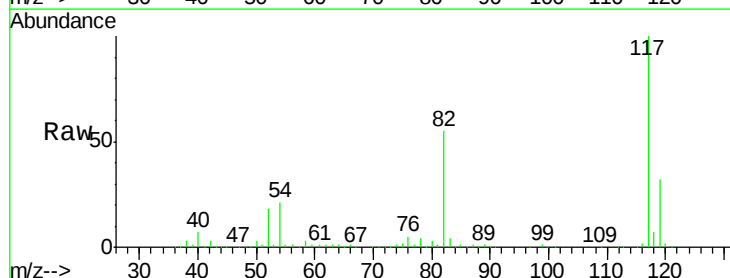
Tgt Ion: 117 Resp: 1025890

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.2

119 32.2 26.0 39.0

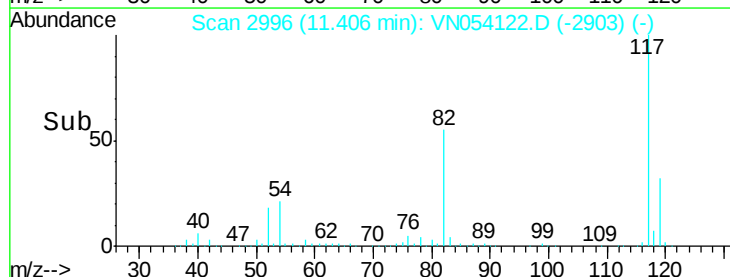


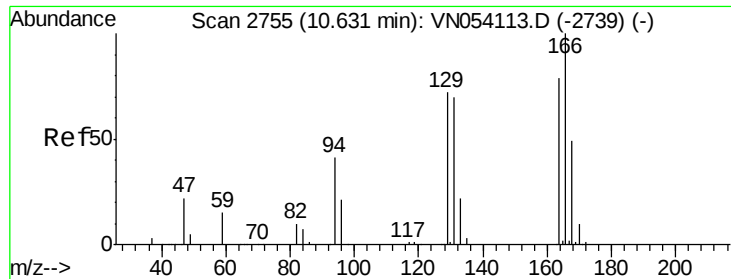
Abundance Ion 116.90 (116.60 to 117.60): VN054113.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054113.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054113.D (-2980) (-)

Time--> 11.30 11.40 11.50





#64

Tetrachloroethene

Concen: 0.055 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

PB117652TB

Tot Ion:164 Resp: 466

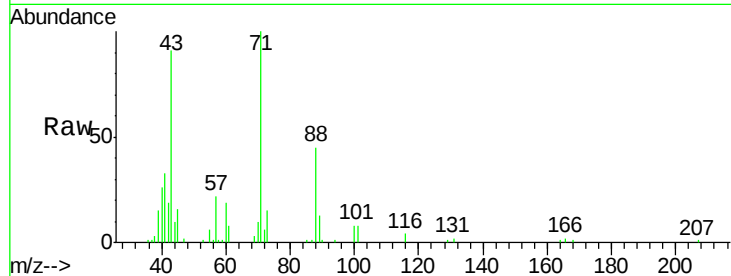
Ion Ratio Lower Upper

164 100

166 137.2 101.3 151.9

129 81.1 73.2 109.8

131 105.8 70.8 106.2

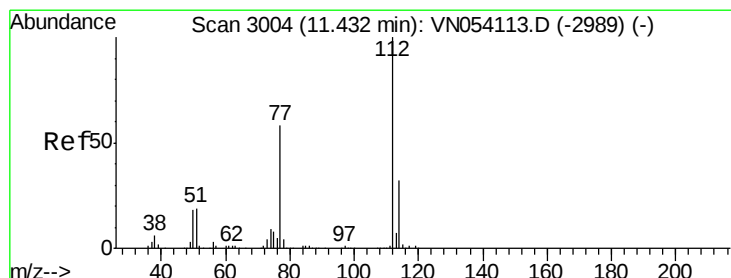
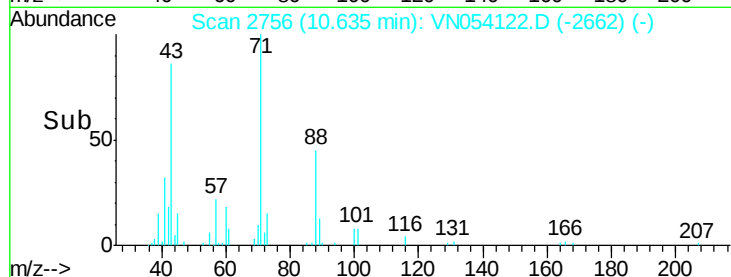
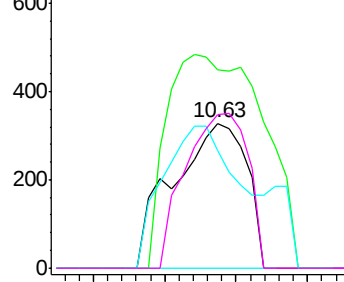


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.084 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054122.D

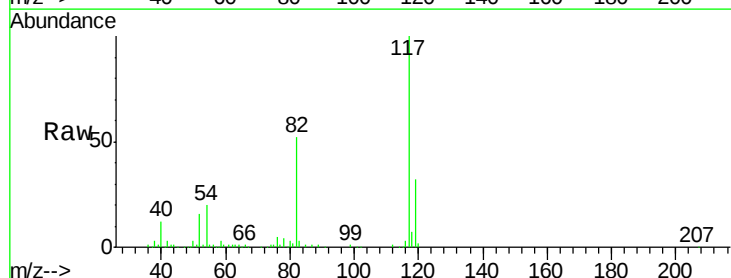
Acq: 6 Mar 2019 17:47

Tgt Ion:112 Resp: 1798

Ion Ratio Lower Upper

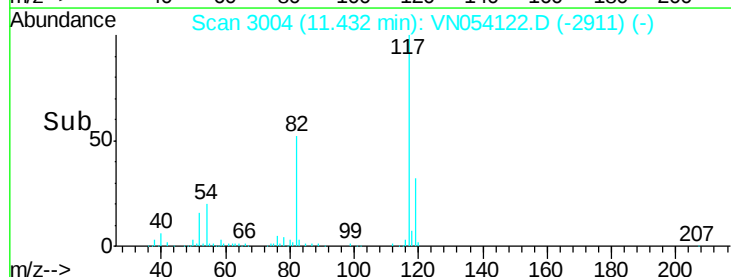
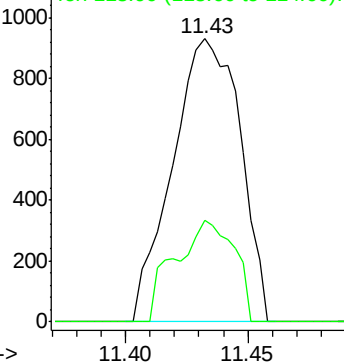
112 100

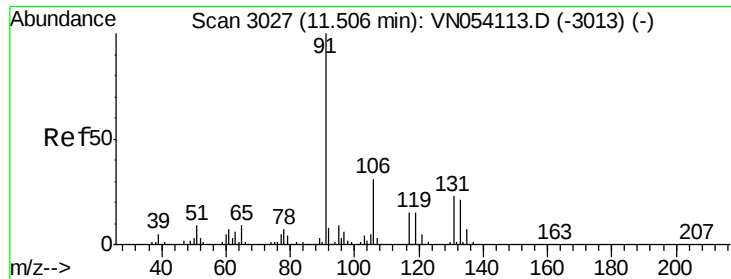
114 36.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.004 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

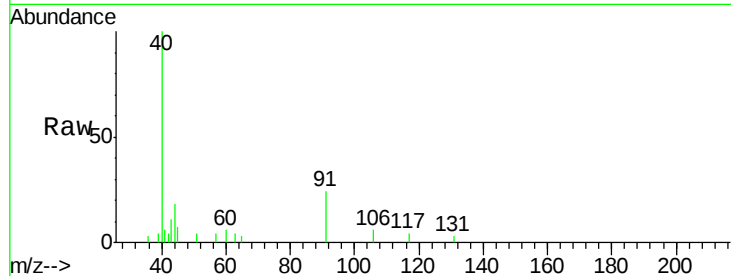
Instrument :

MSVOA_N

ClientSampleId :

PB117652TB

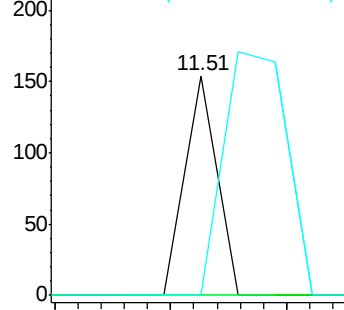
Tot Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.6	142.9#
119	0.0	33.8	101.3#



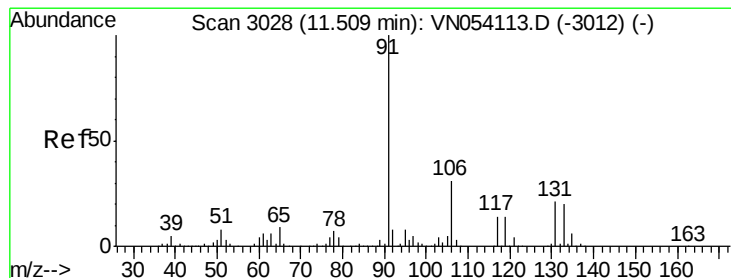
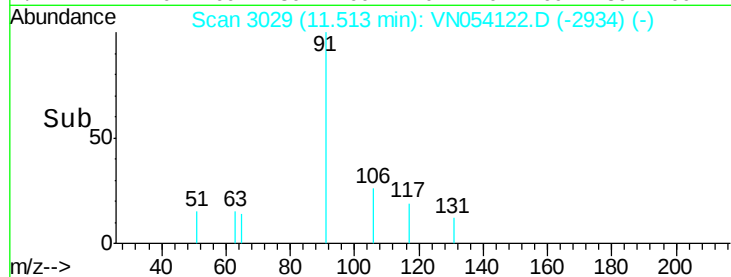
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.50 11.51 11.52



#67

Ethyl Benzene

Concen: 0.057 ug/l

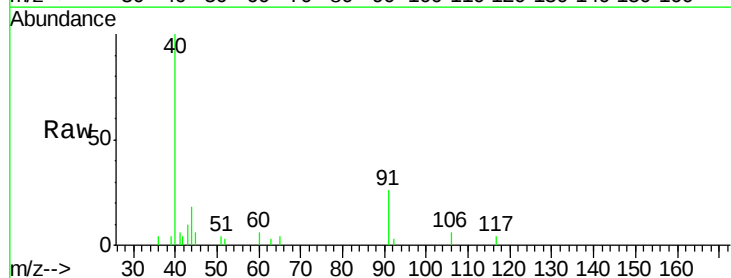
RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054122.D

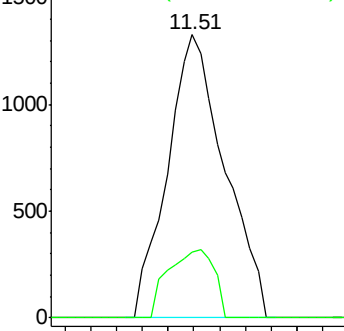
Acq: 6 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.4	24.6	36.8#

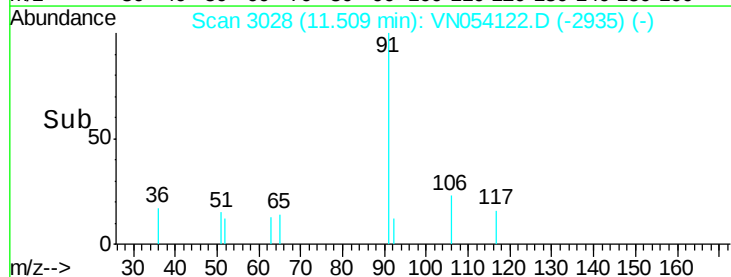


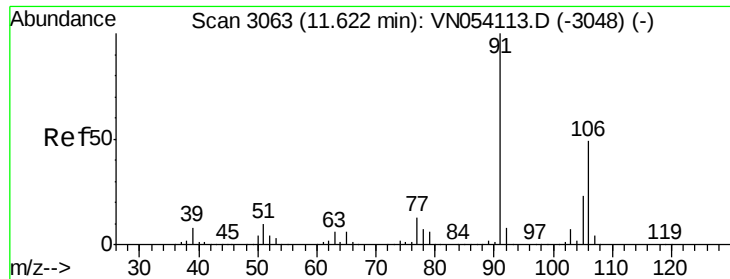
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



Time--> 11.50 11.51 11.55

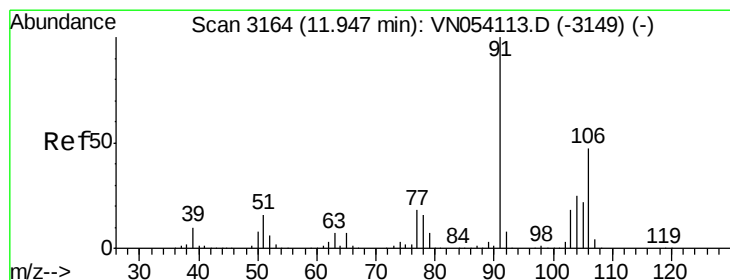
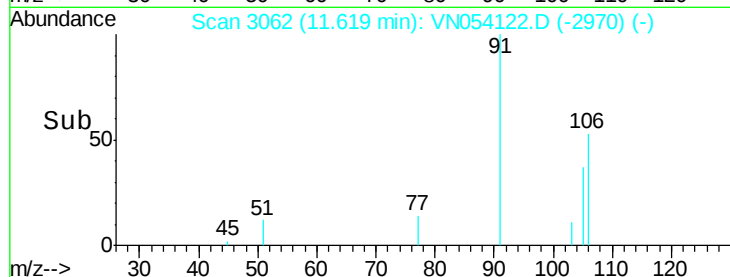
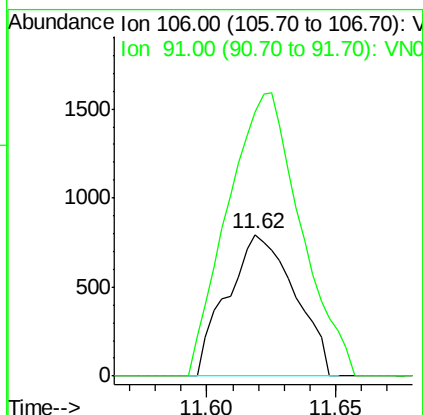
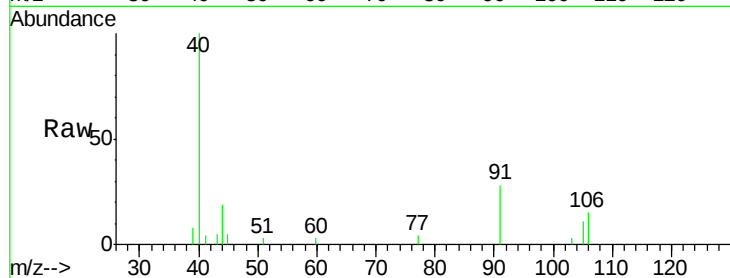




#68
m/p-Xylenes
Concen: 0.107 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

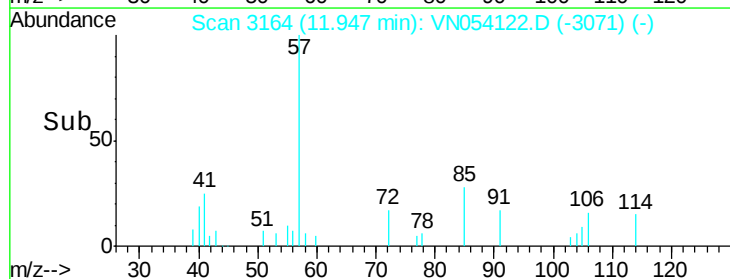
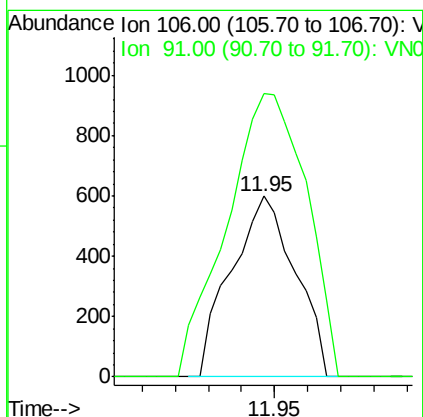
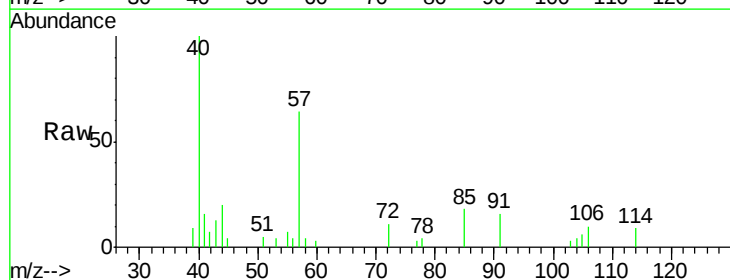
Instrument :
MSVOA_N
ClientSampled :
PB117652TB

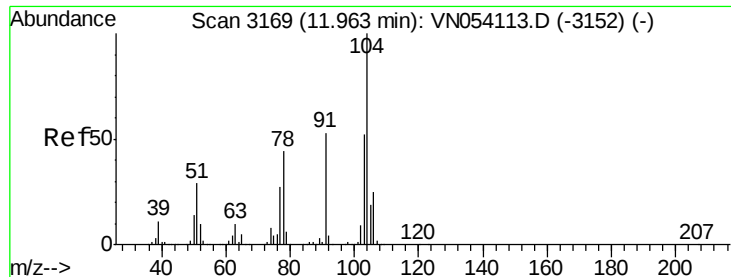
Tot Ion:106 Resp: 1448
Ion Ratio Lower Upper
106 100
91 216.8 163.2 244.8



#69
o-Xylene
Concen: 0.062 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion:106 Resp: 808
Ion Ratio Lower Upper
106 100
91 194.7 107.1 321.3

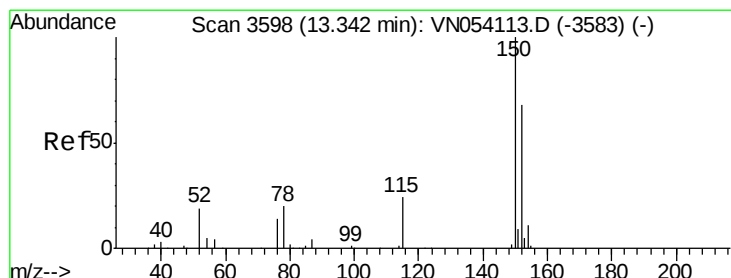
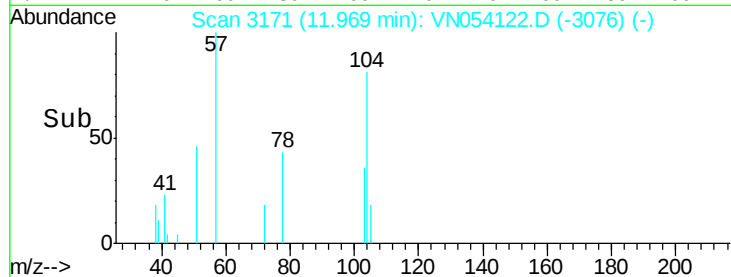
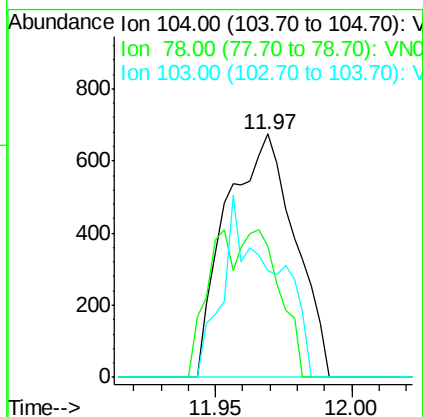
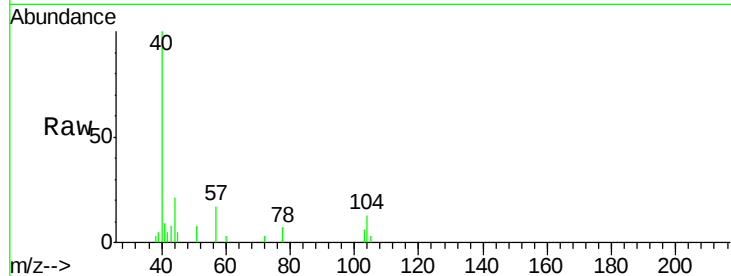




#70
Stvrene
Concen: 0.057 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

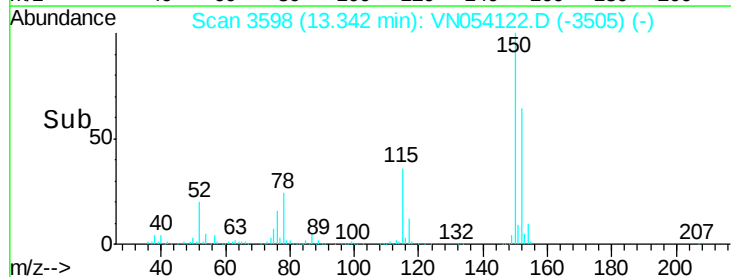
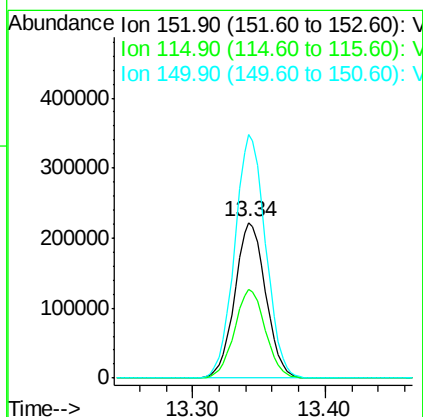
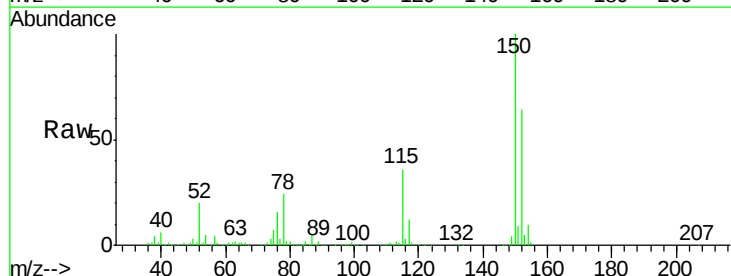
Instrument :
MSVOA_N
ClientSampleId :
PB117652TB

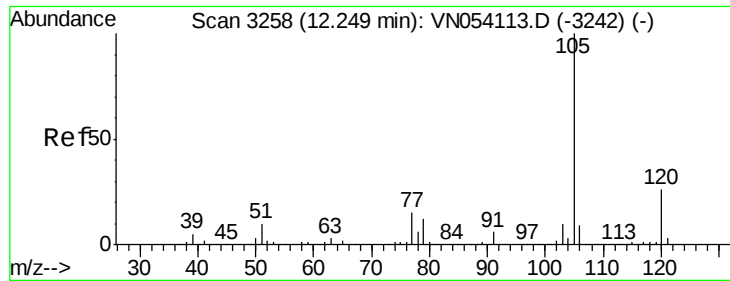
Tot Ion:104 Resp: 1179
Ion Ratio Lower Upper
104 100
78 24.1 39.4 59.0#
103 55.6 44.7 67.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion:152 Resp: 358105
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.6
150 157.6 0.0 343.2





#73

Isopropylbenzene

Concen: 0.054 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

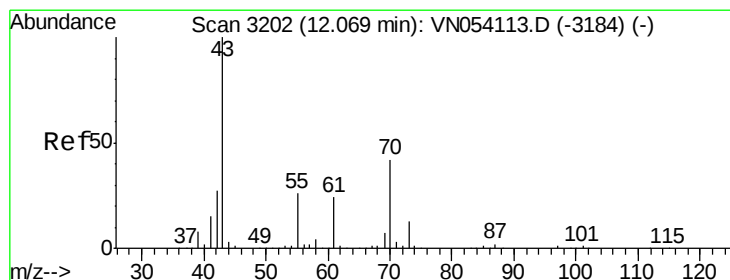
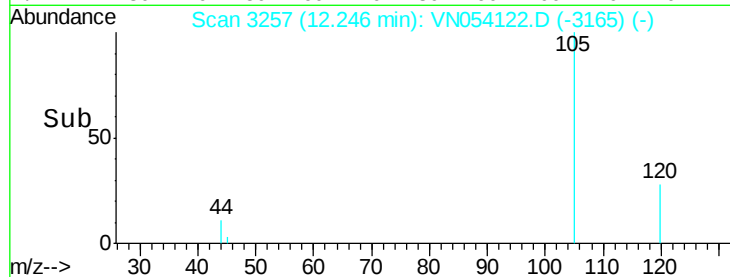
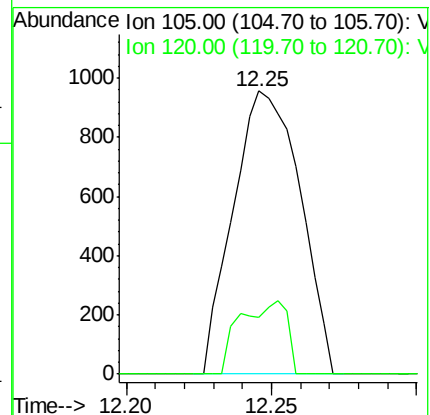
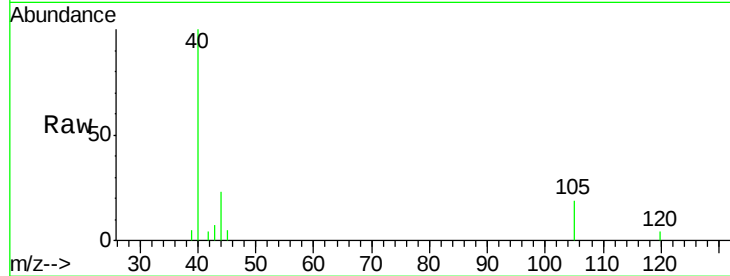
PB117652TB

Tot Ion:105 Resp: 1535

Ion Ratio Lower Upper

105 100

120 18.1 13.3 39.8



#74

N-ethyl acetate

Concen: 0.113 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.12 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Tgt Ion: 43 Resp: 849

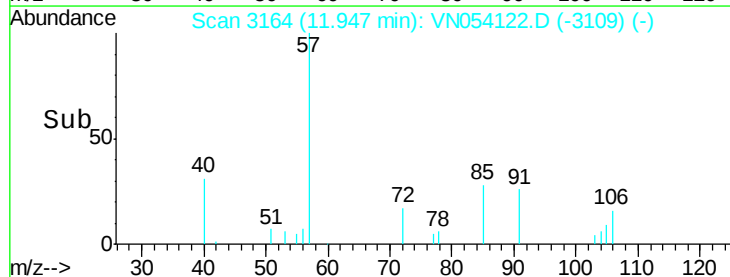
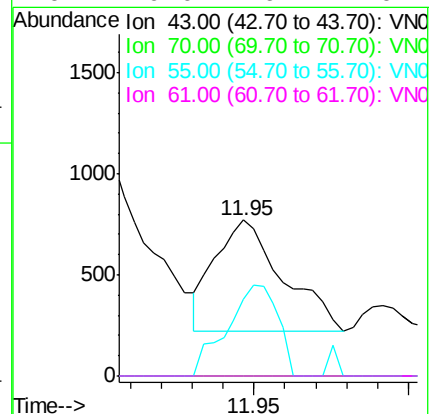
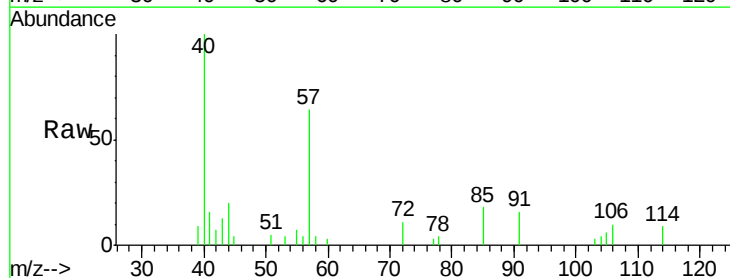
Ion Ratio Lower Upper

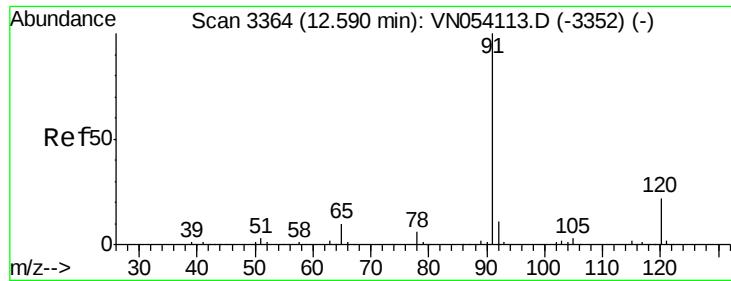
43 100

70 0.0 33.6 50.4#

55 60.3 20.6 31.0#

61 0.0 19.4 29.2#

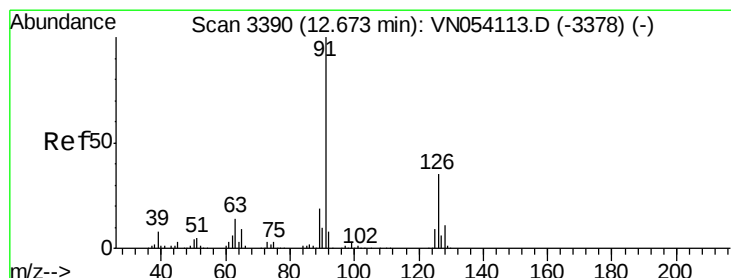
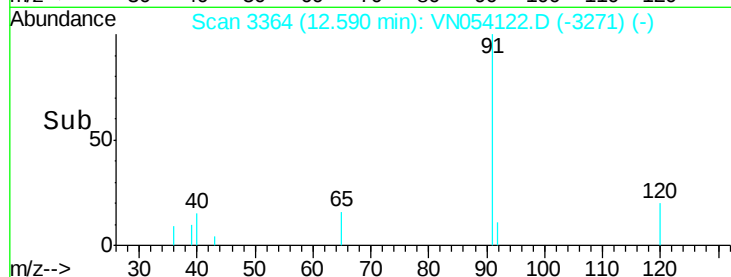
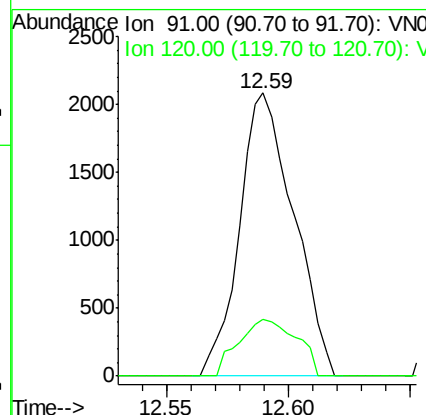
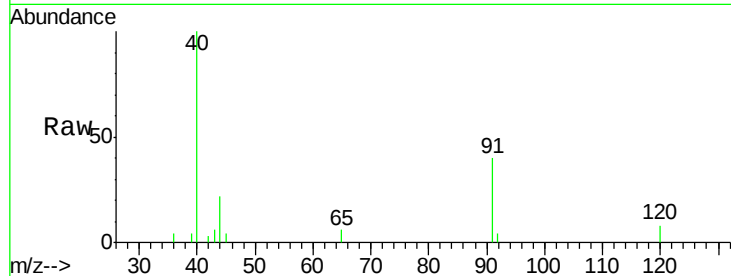




#78
n-propylbenzene
Concen: 0.100 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

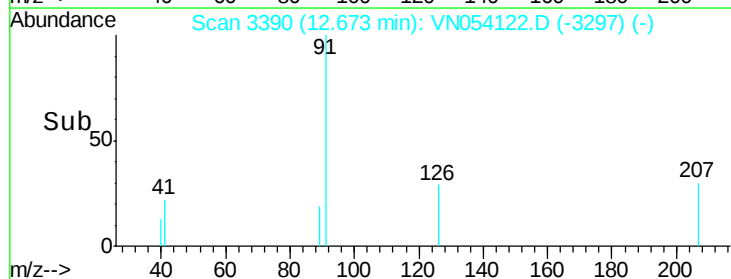
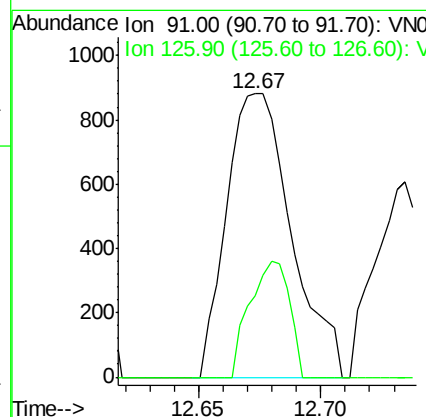
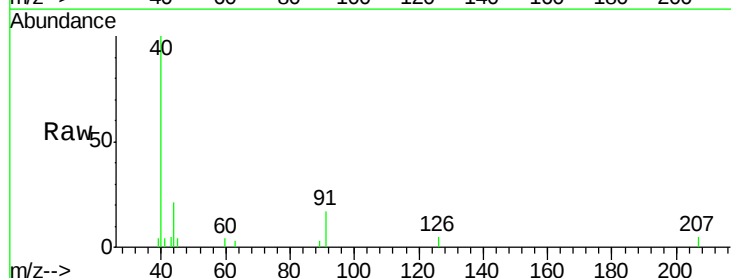
Instrument :
MSVOA_N
ClientSampleId :
PB117652TB

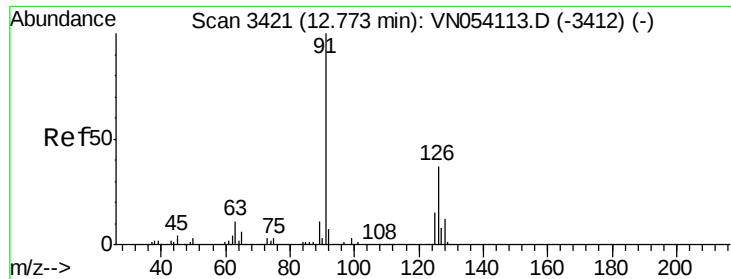
Tot Ion: 91 Resp: 3211
Ion Ratio Lower Upper
91 100
120 21.6 11.3 33.9



#79
2-Chlorotoluene
Concen: 0.084 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion: 91 Resp: 1627
Ion Ratio Lower Upper
91 100
126 24.8 17.4 52.2

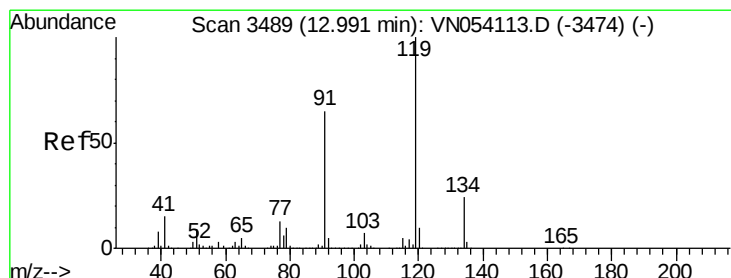
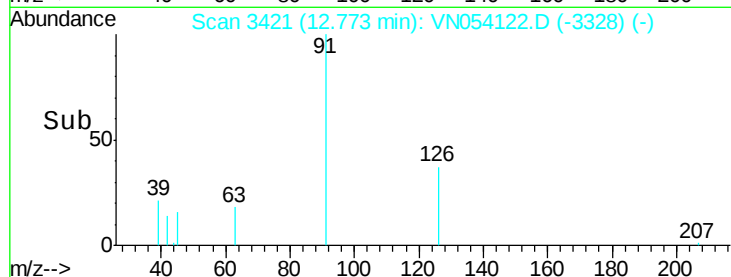
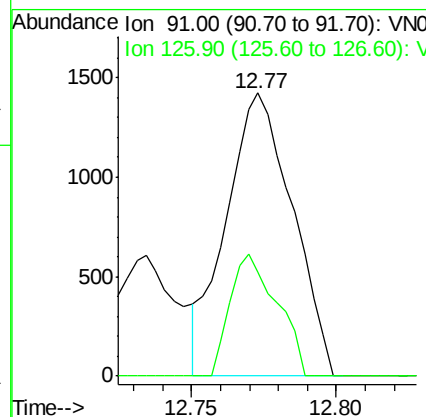
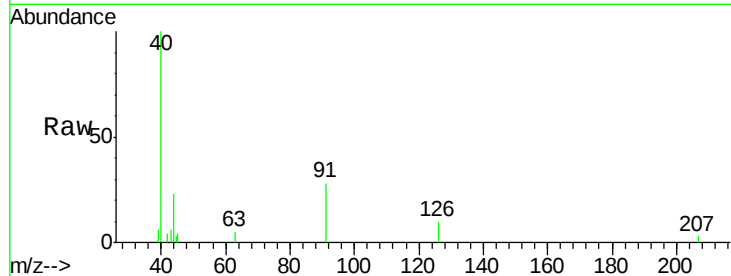




#82
4-Chlorotoluene
Concen: 0.116 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

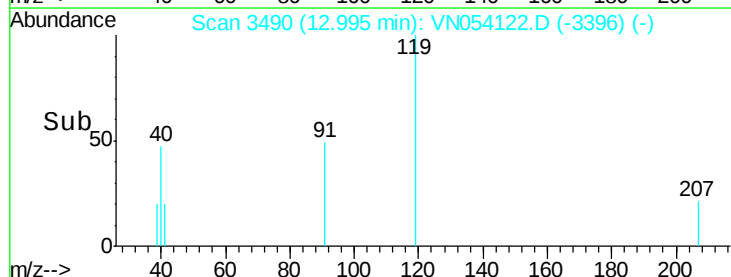
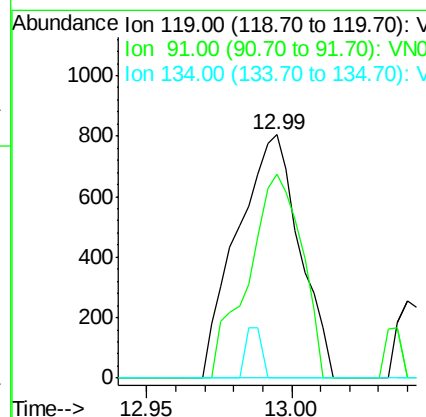
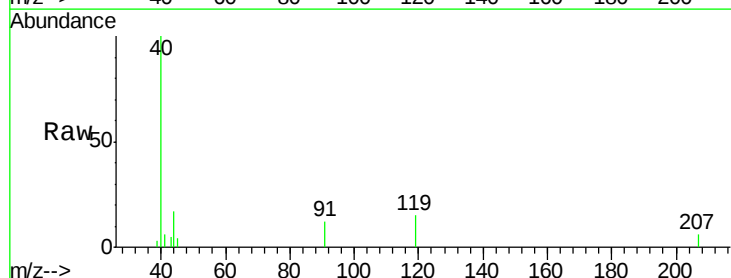
Instrument :
MSVOA_N
ClientSampled :
PB117652TB

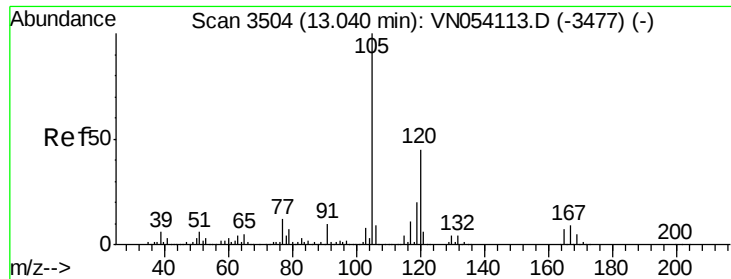
Tot Ion: 91 Resp: 2257
Ion Ratio Lower Upper
91 100
126 30.7 17.1 51.3



#83
tert-Butylbenzene
Concen: 0.058 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054122.D
Acq: 6 Mar 2019 17:47

Tgt Ion: 119 Resp: 1199
Ion Ratio Lower Upper
119 100
91 72.1 31.8 95.3
134 5.3 12.8 38.3#

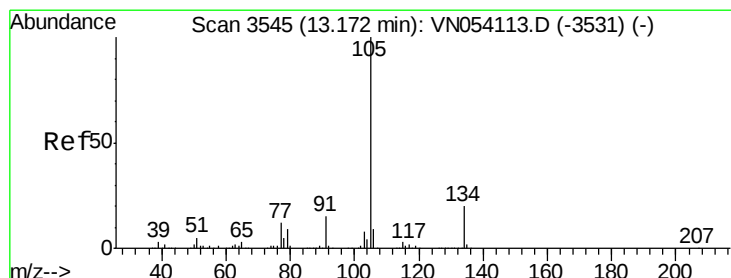
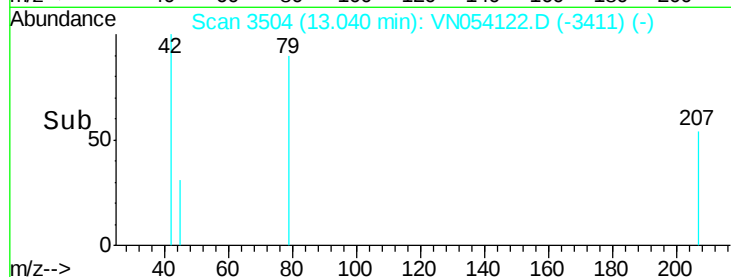
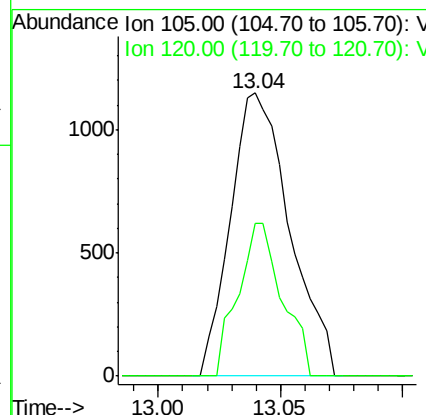
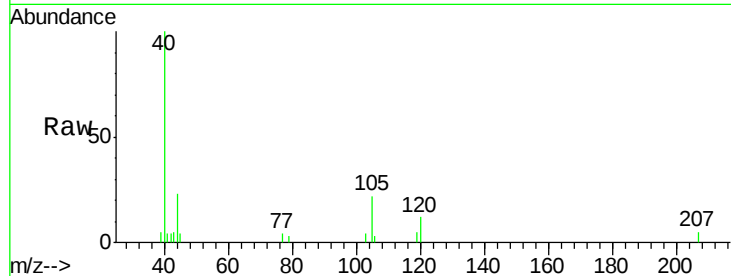




#84
 1,2,4-Trimethylbenzene
 Concen: 0.084 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

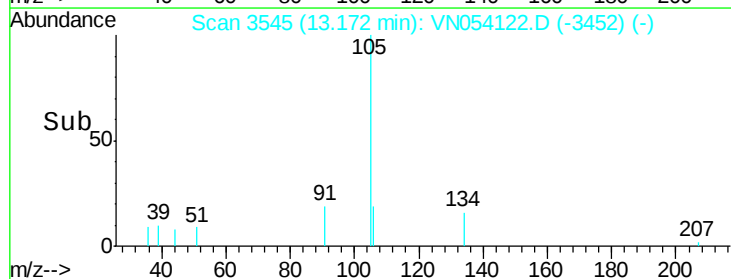
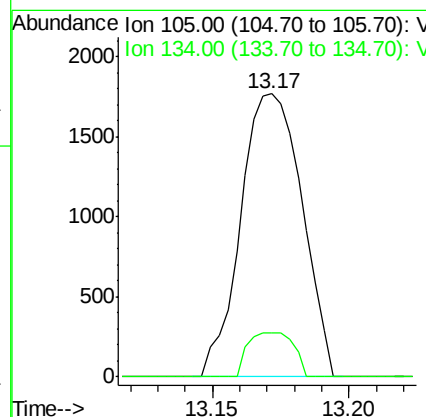
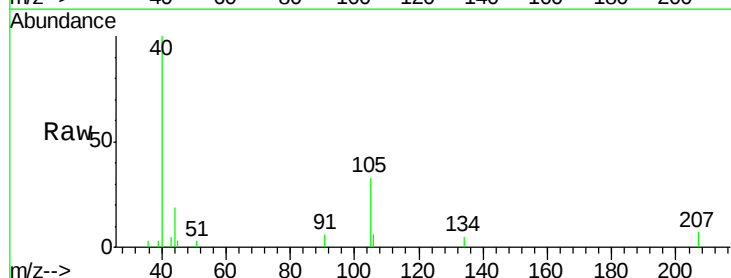
Instrument :
 MSVOA_N
 ClientSampled :
 PB117652TB

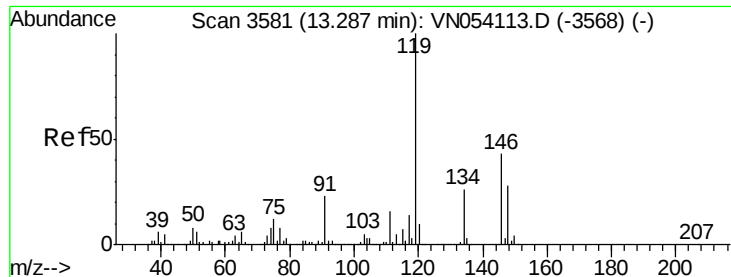
Tot Ion:105 Resp: 1940
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 0.099 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Tgt Ion:105 Resp: 2760
 Ion Ratio Lower Upper
 105 100
 134 11.6 9.8 29.5

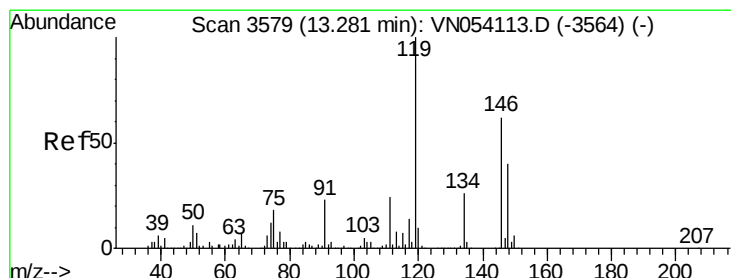
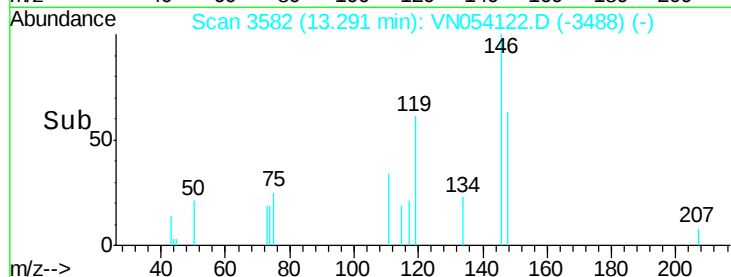
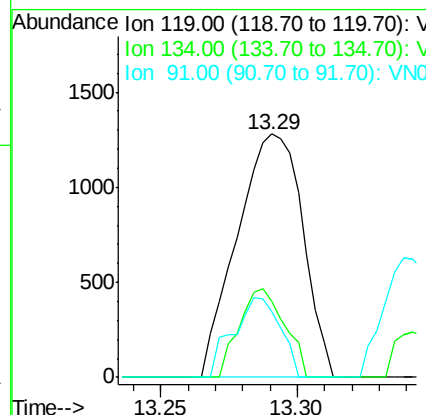
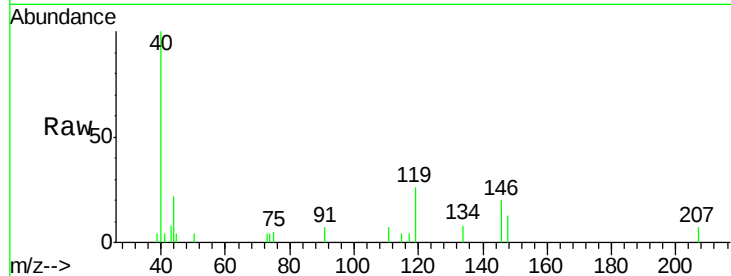




#86
 p-Isopropyltoluene
 Concen: 0.091 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

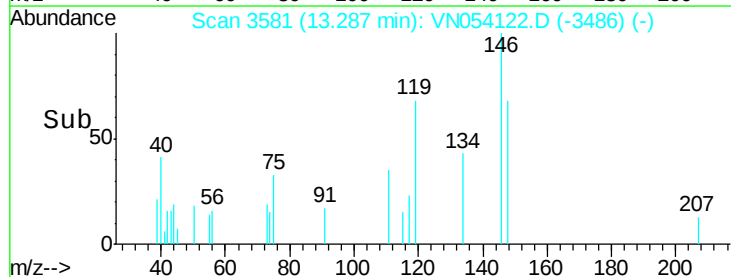
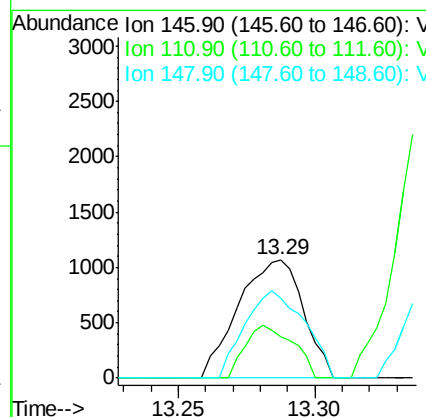
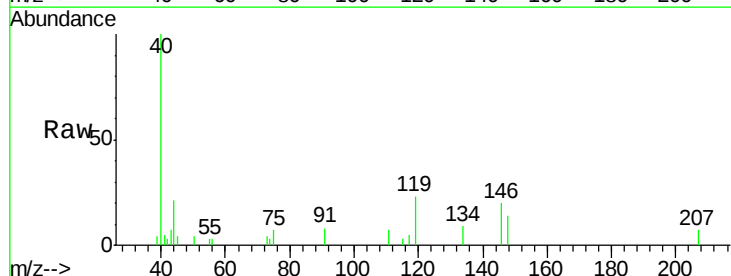
Instrument :
 MSVOA_N
 ClientSampled :
 PB117652TB

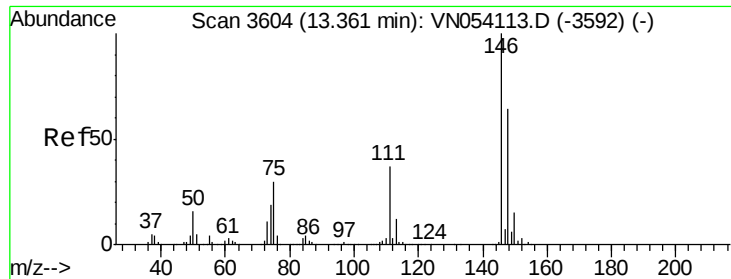
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.2	39.5
91	23.6	11.4	34.2



#87
 1,3-Dichlorobenzene
 Concen: 0.141 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.01 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.8	19.3	57.8
148	67.9	32.4	97.0

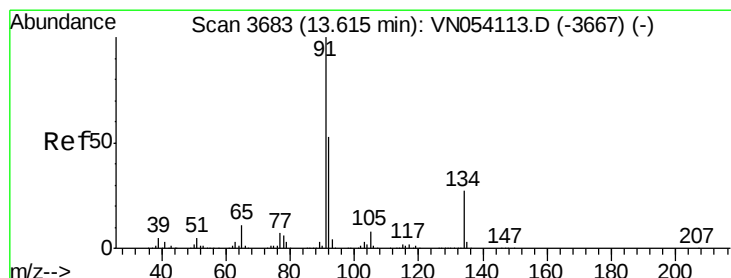
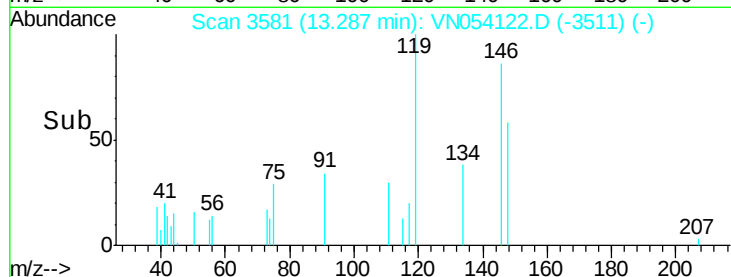
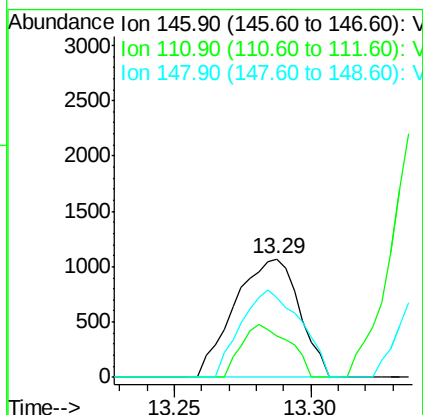
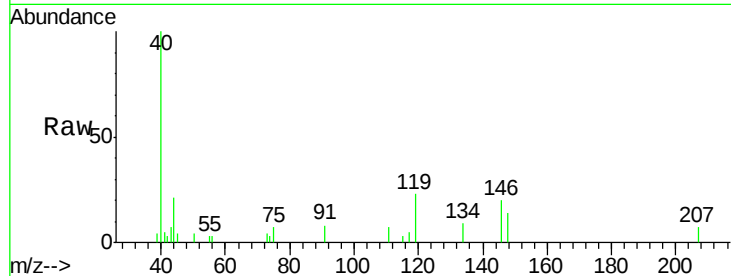




#88
 1,4-Dichlorobenzene
 Concen: 0.143 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.07 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

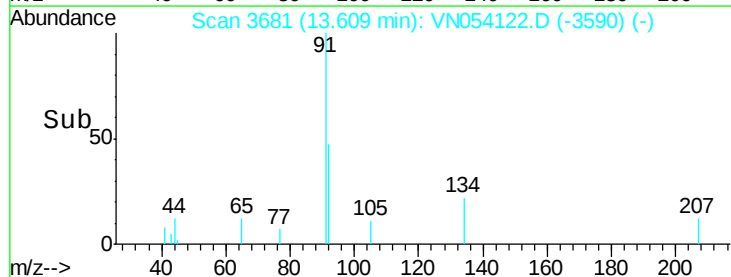
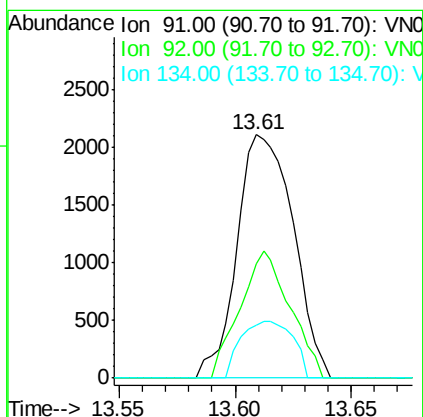
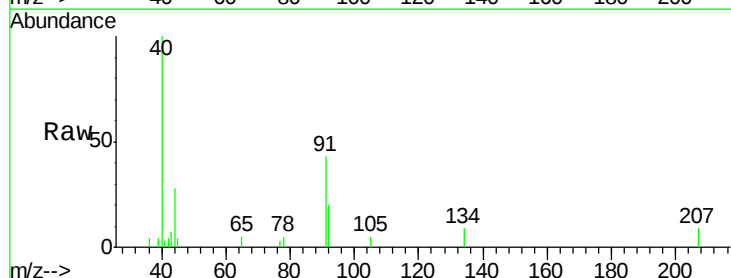
Instrument :
 MSVOA_N
 ClientSampled :
 PB117652TB

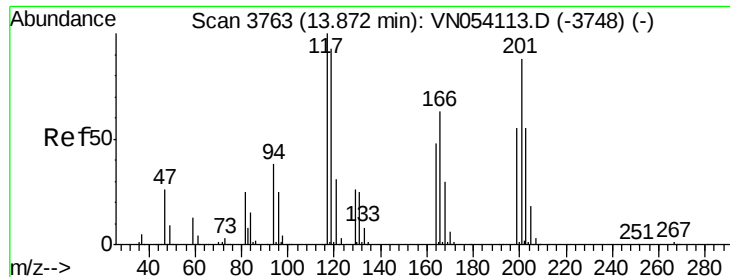
Tot Ion:146 Resp: 1764
 Ion Ratio Lower Upper
 146 100
 111 32.8 18.9 56.5
 148 67.9 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.180 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. -0.01 min
 Lab File: VN054122.D
 Acq: 6 Mar 2019 17:47

Tgt Ion: 91 Resp: 3548
 Ion Ratio Lower Upper
 91 100
 92 46.6 26.0 78.0
 134 21.4 13.1 39.1





#90

Hexachloroethane

Concen: 0.014 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

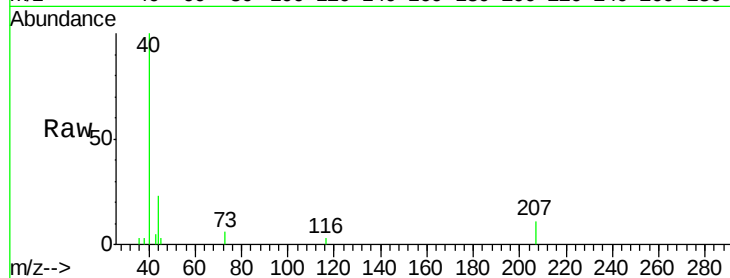
PB117652TB

Tot Ion:117 Resp: 63

Ion Ratio Lower Upper

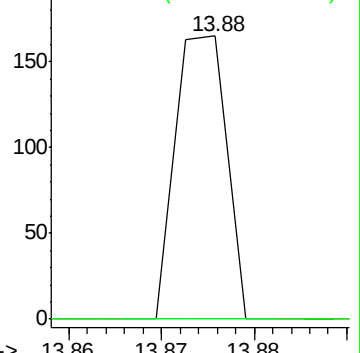
117 100

201 0.0 44.9 134.7#

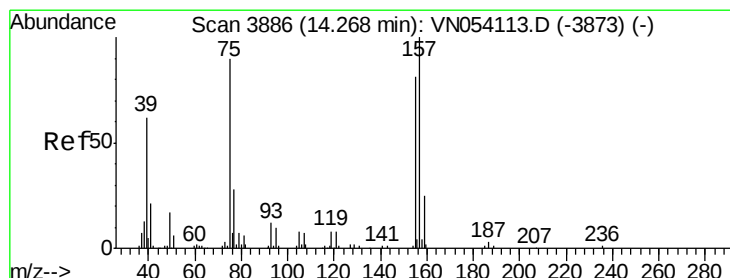
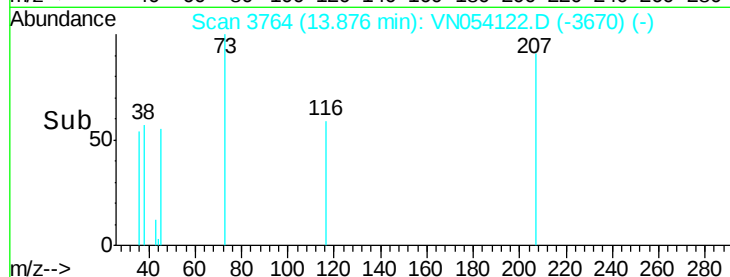


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time--> 13.86 13.87 13.88



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.031 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN054122.D

Acq: 6 Mar 2019 17:47

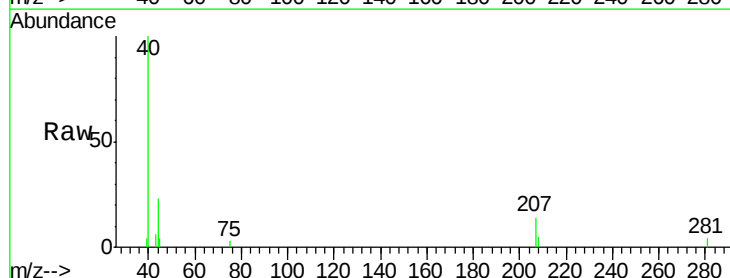
Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.5#

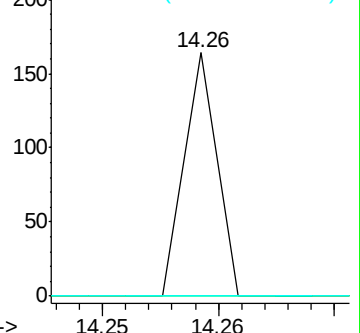
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time--> 14.25 14.26

