

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052656.D
 Acq On : 4 Dec 2018 16:00
 Operator : MD\SY
 Sample : PB115293ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115293ZHE#02

Quant Time: Dec 05 03:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1137207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1742371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1491673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	494714	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	587927	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	7.59	113	538107	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.09	98	2123761	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	621141	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

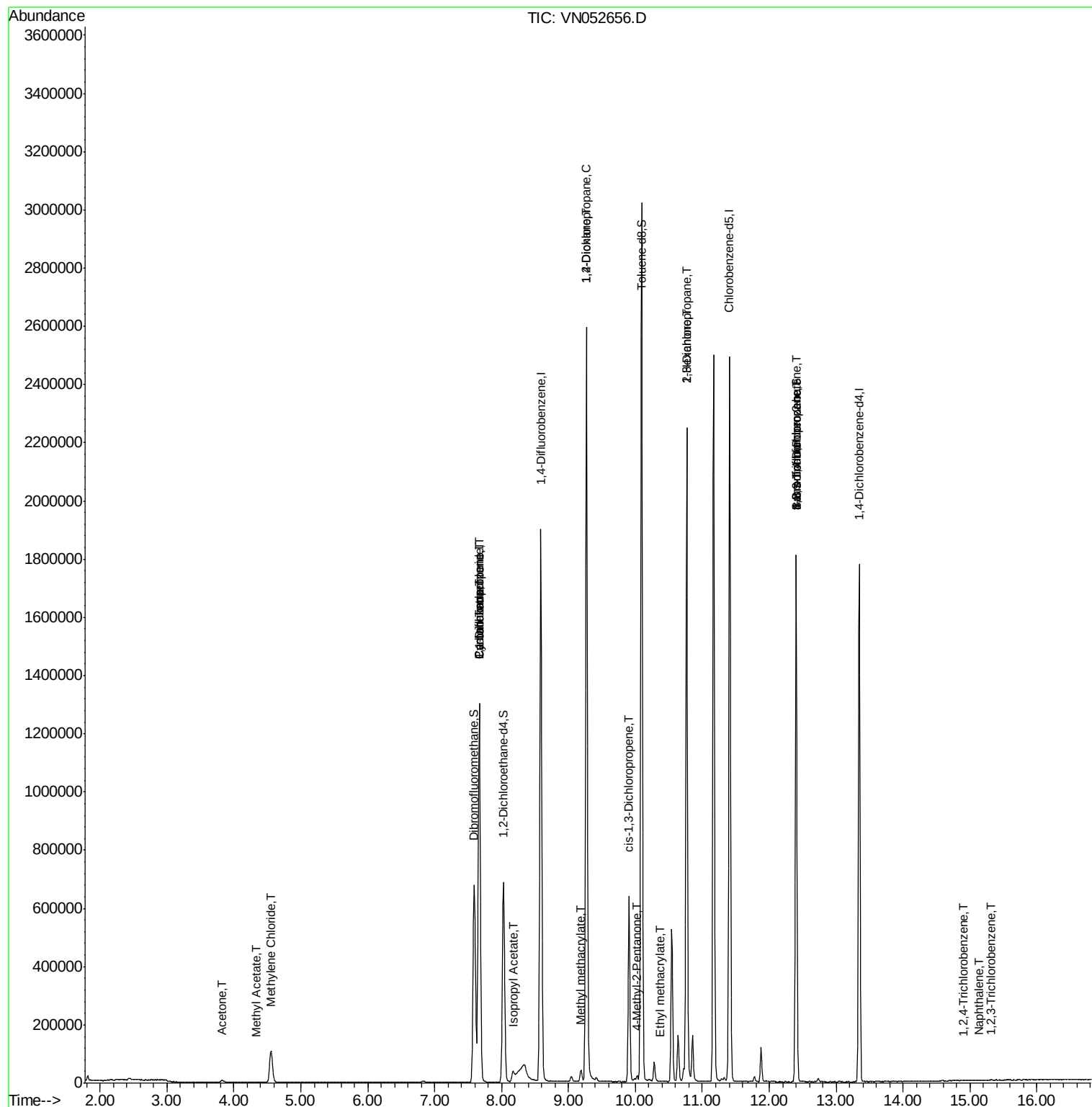
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14966	4.582	ug/l	98
18) Methyl Acetate	4.33	43	1882	0.201	ug/l	98
20) Methylene Chloride	4.55	84	83777	6.555	ug/l	98
31) Cyclohexane	7.67	56	19233	0.541	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	76791	4.667	ug/l #	49
38) Carbon Tetrachloride	7.67	117	100548	6.750	ug/l #	16
43) Isopropyl Acetate	8.17	43	58047	3.416	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	3164	0.243	ug/l #	43
48) Methyl methacrylate	9.18	41	13950	1.574	ug/l #	13
49) 1,4-Dioxane	9.27	88	378	4.110	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	18233	1.912	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	119116	6.585	ug/l #	62
56) Ethyl methacrylate	10.36	69	120	2.701	ug/l #	25
57) 1,3-Dichloropropane	10.77	76	24872	1.375	ug/l #	43
59) 2-Hexanone	10.77	43	333936	52.185	ug/l #	51
71) Bromoform	12.40	173	3943	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	299871	39.308	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	299871	131.270	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	281	2.860	ug/l #	44
95) Naphthalene	15.14	128	1191	3.488	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	310	2.763	ug/l #	75

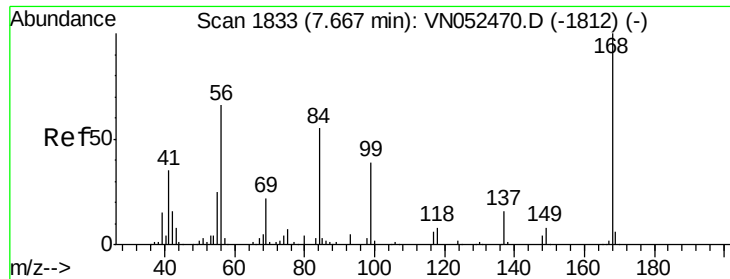
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120418\
Data File : VN052656.D
Acq On : 4 Dec 2018 16:00
Operator : MD\SY
Sample : PB115293ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

Quant Time: Dec 05 03:09:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

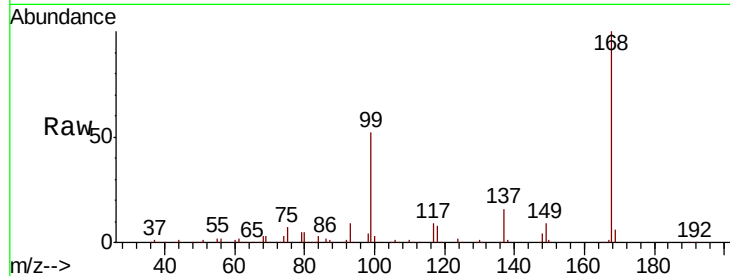
PB115293ZHE#02

Tot Ion:168 Resp: 1137207

Ion Ratio Lower Upper

168 100

99 51.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

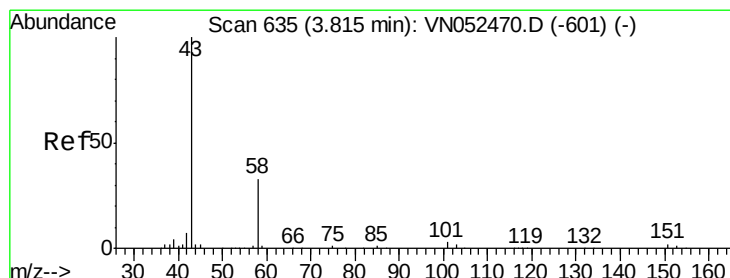
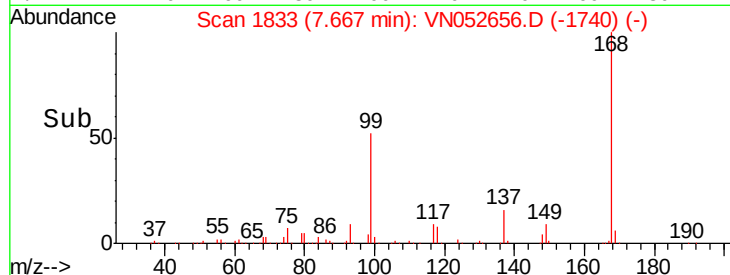
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.582 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052656.D

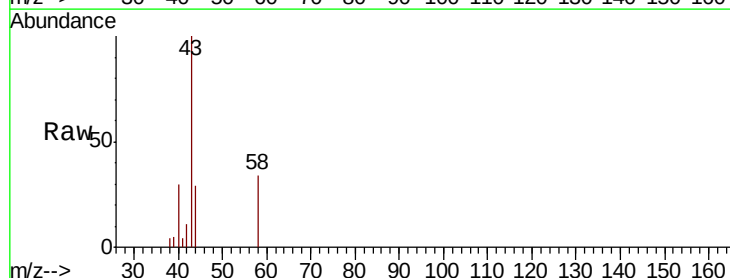
Acq: 4 Dec 2018 16:00

Tgt Ion: 43 Resp: 14966

Ion Ratio Lower Upper

43 100

58 33.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

6000

5000

4000

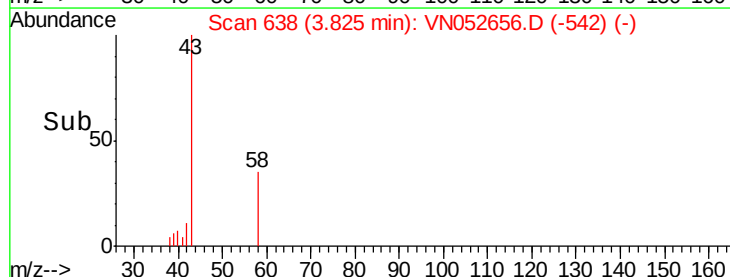
3000

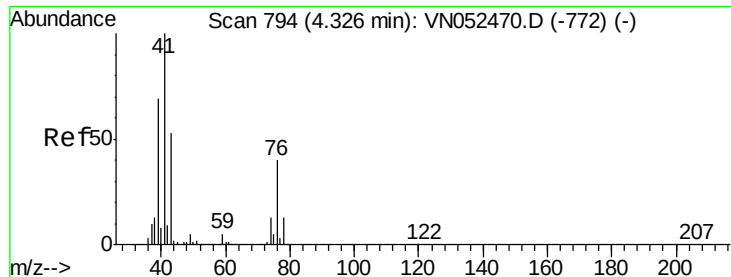
2000

1000

0

Time-->

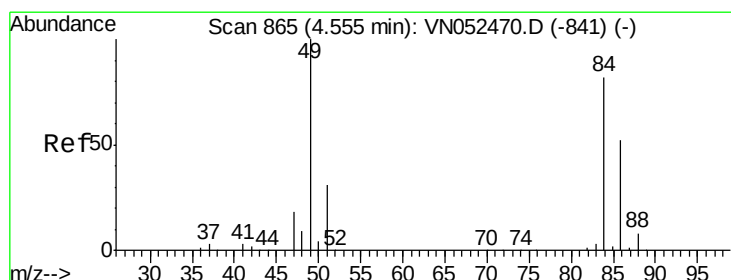
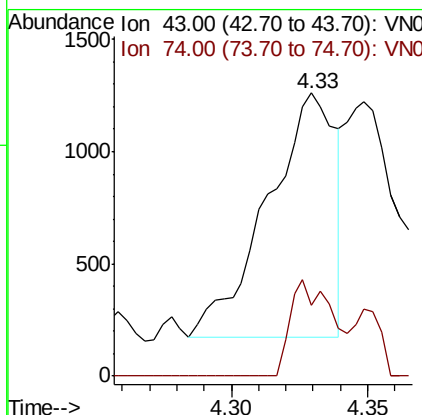
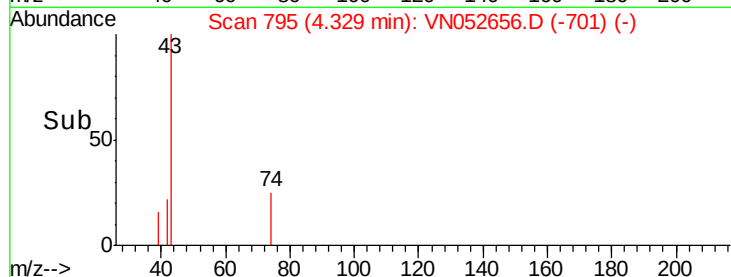
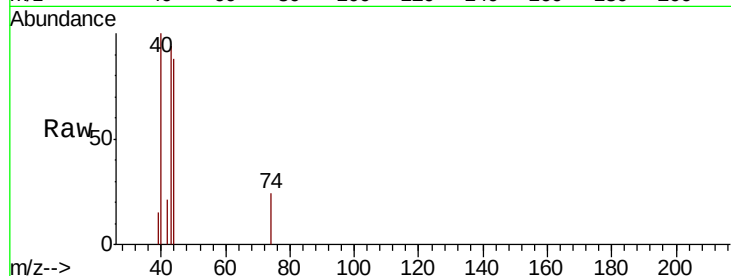




#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

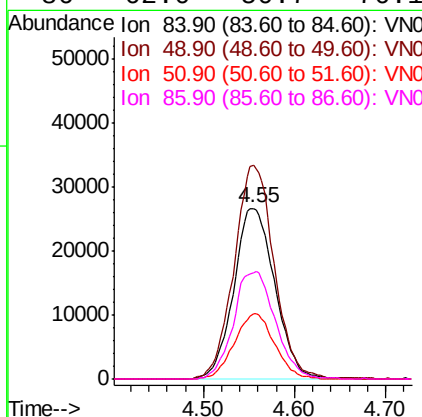
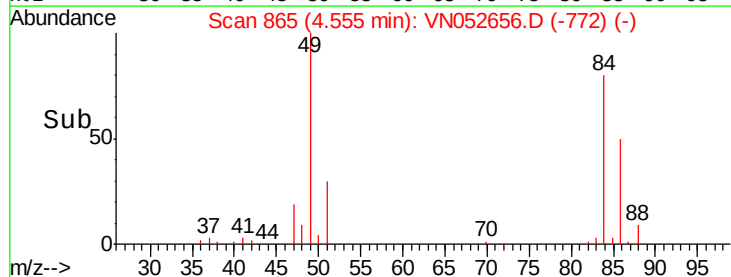
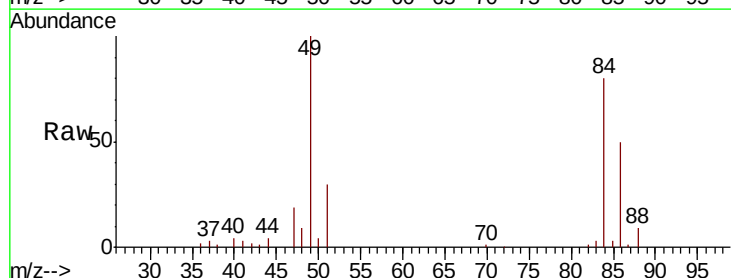
Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

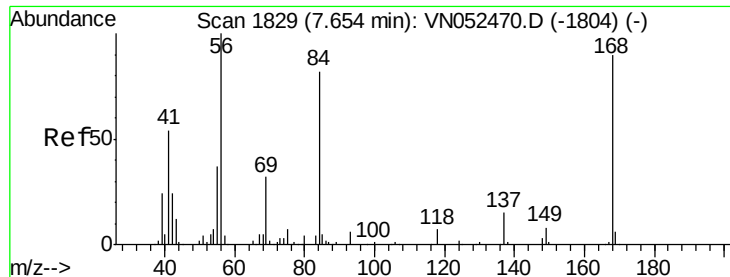
Tot Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
74 24.4 18.6 27.8



#20
Methylene Chloride
Concen: 6.555 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Tgt Ion: 84 Resp: 83777
Ion Ratio Lower Upper
84 100
49 125.1 98.0 147.0
51 38.1 30.1 45.1
86 62.0 50.7 76.1

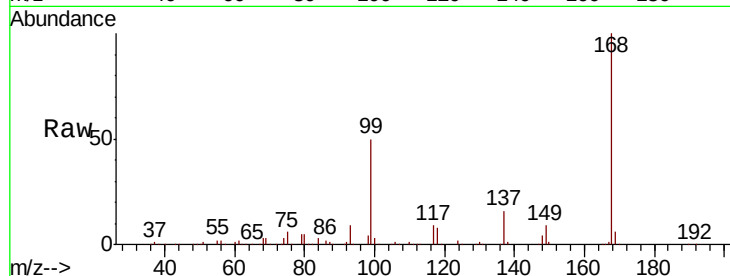




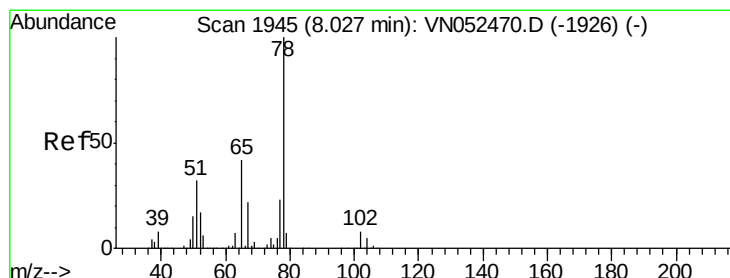
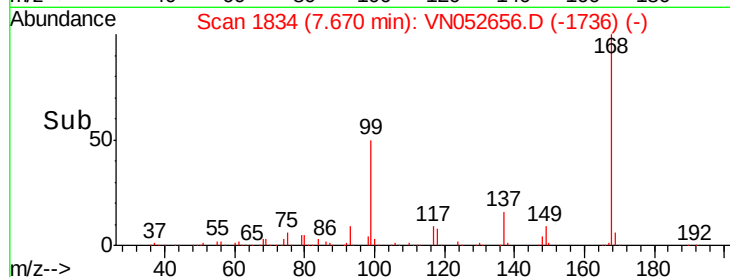
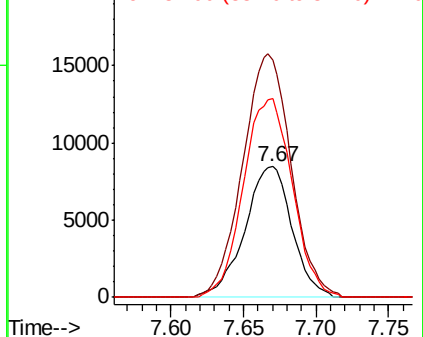
#31
Cyclohexane
Concen: 0.541 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

Tot Ion: 56 Resp: 19233
Ion Ratio Lower Upper
56 100
69 181.7 25.8 38.6#
84 151.8 65.3 97.9#

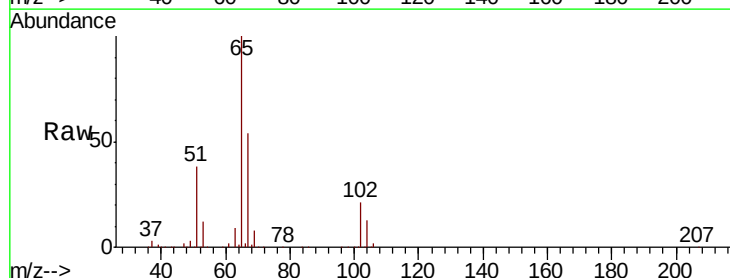


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

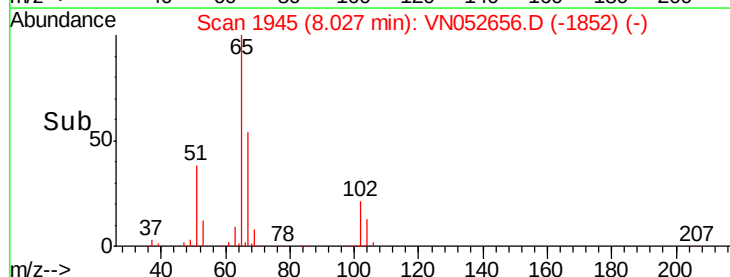
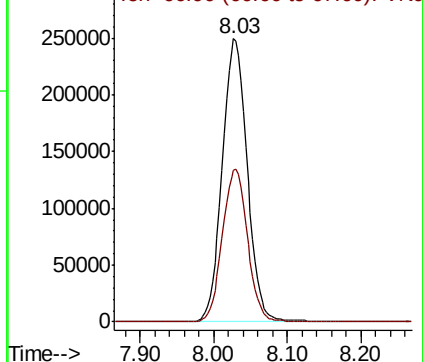


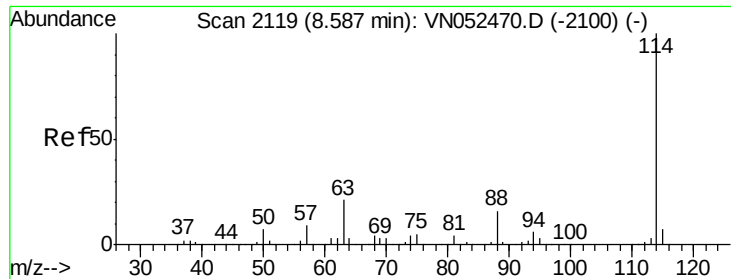
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Tgt Ion: 65 Resp: 587927
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

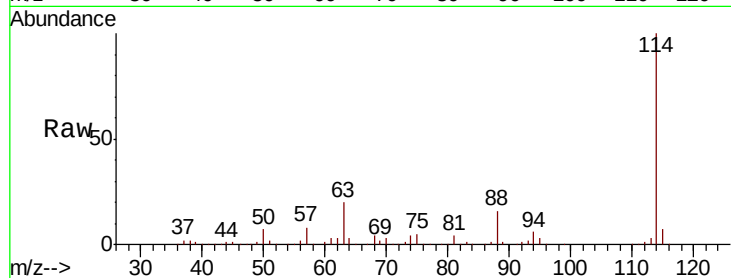




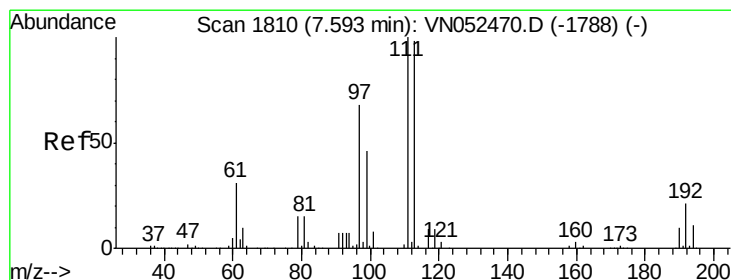
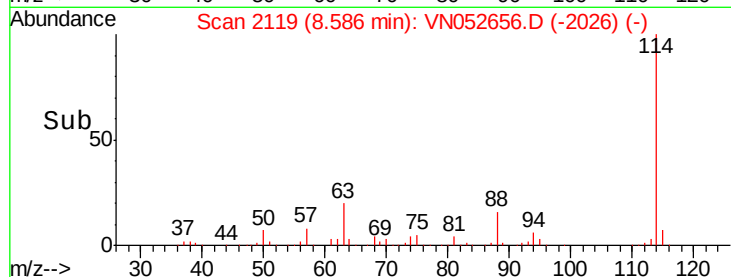
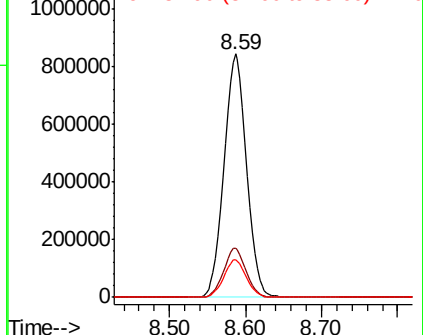
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

Tot Ion:114 Resp: 1742371
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.8
88 15.5 0.0 31.6

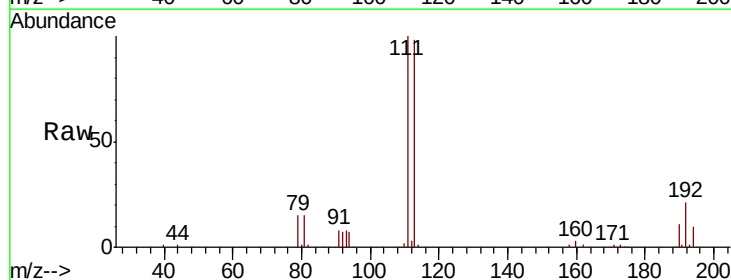


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

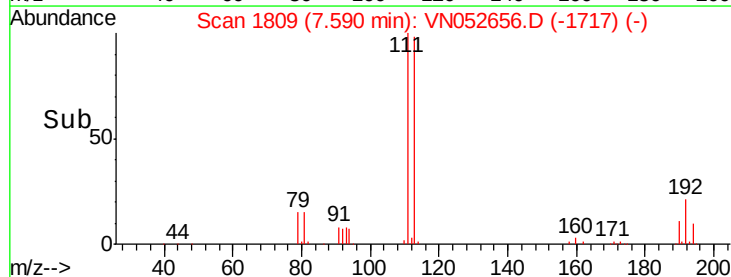
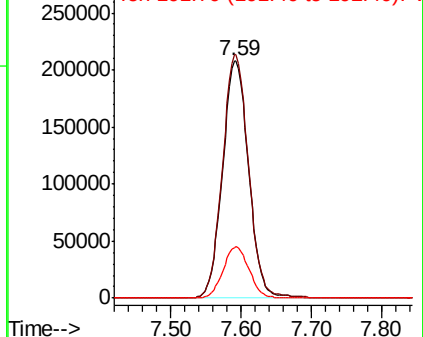


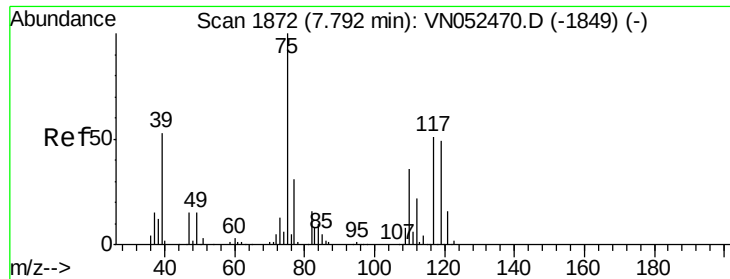
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Tgt Ion:113 Resp: 538107
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 21.6 17.0 25.6



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





#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

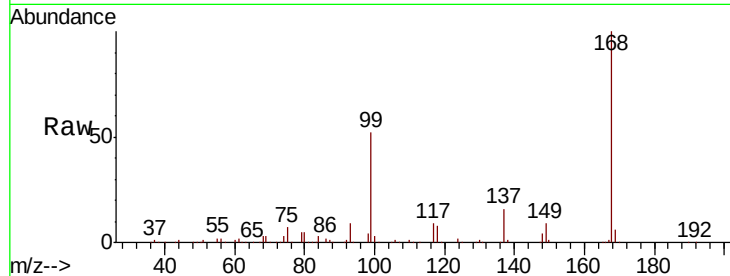
Tot Ion: 75 Resp: 76791

Ion Ratio Lower Upper

75 100

110 8.1 17.5 52.6#

77 0.0 24.5 36.7#

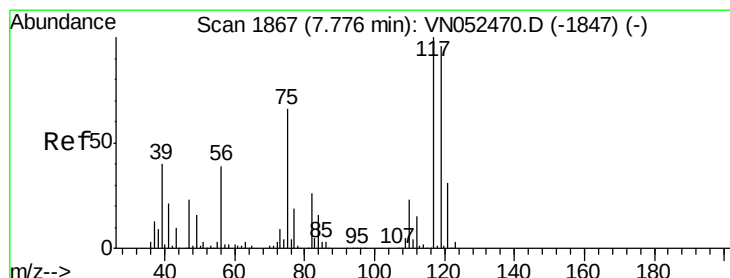
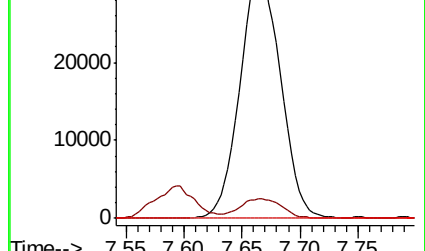
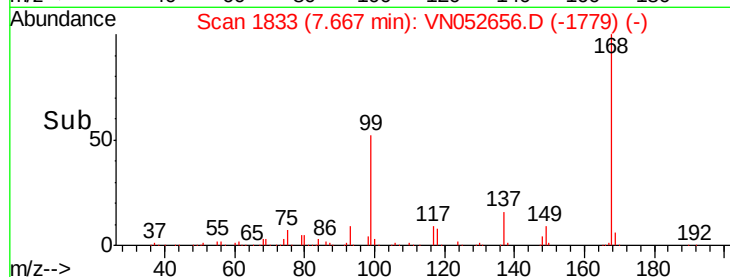


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052470.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052470.D (-1849) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.750 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

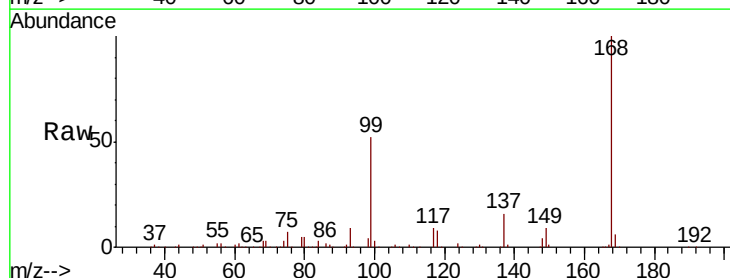
Tgt Ion: 117 Resp: 100548

Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

121 0.0 24.9 37.3#

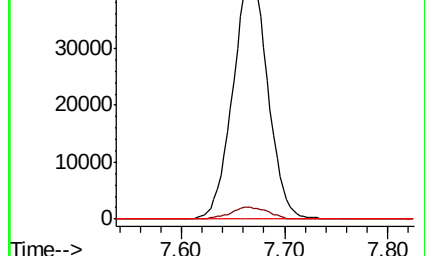
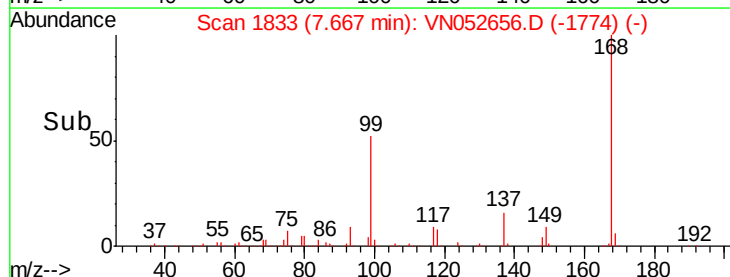


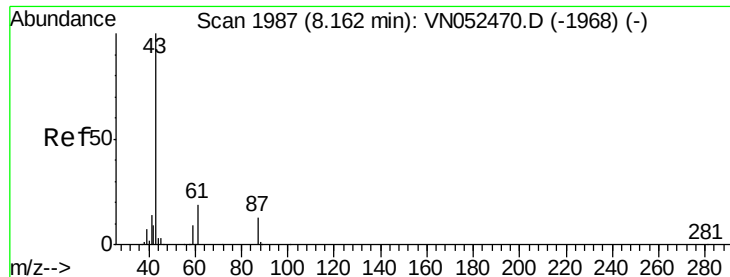
Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)

Time-->





#43

Isopropyl Acetate

Concen: 3.416 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

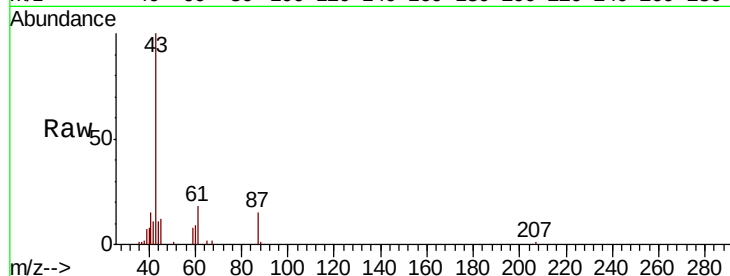
Tot Ion: 43 Resp: 58047

Ion Ratio Lower Upper

43 100

61 15.7 24.1 36.1#

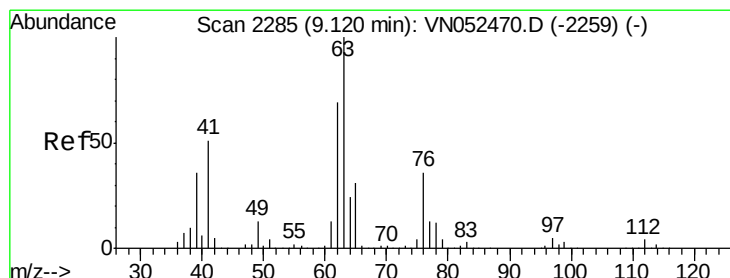
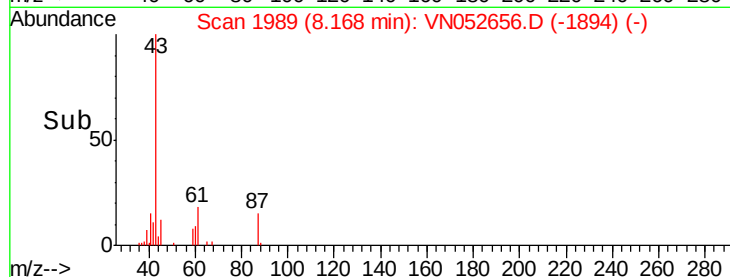
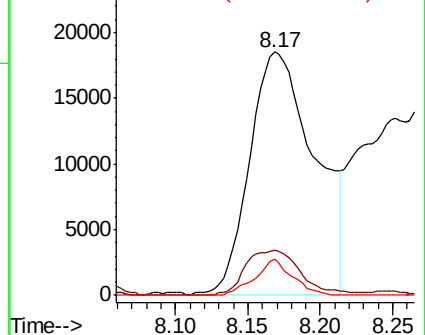
87 8.5 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.243 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052656.D

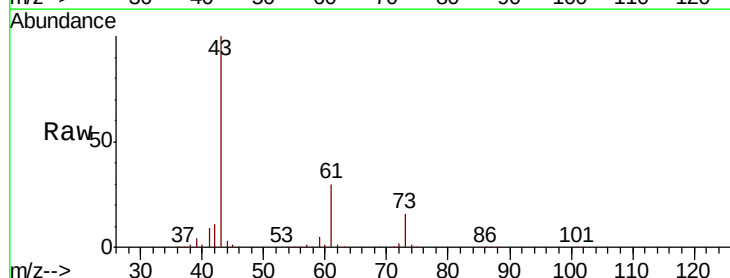
Acq: 4 Dec 2018 16:00

Tgt Ion: 63 Resp: 3164

Ion Ratio Lower Upper

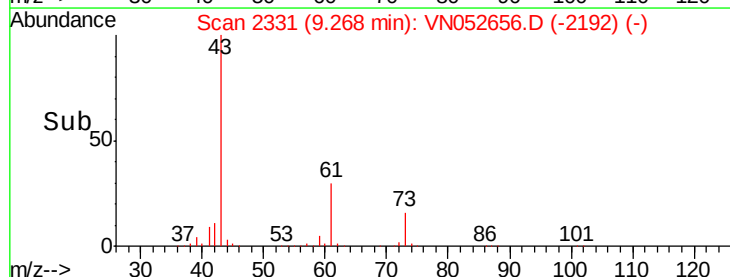
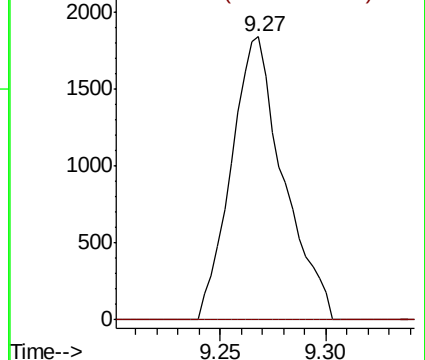
63 100

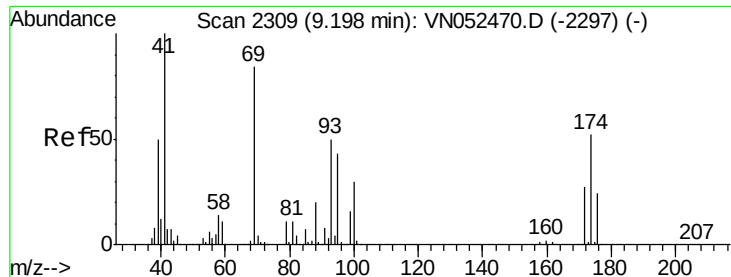
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

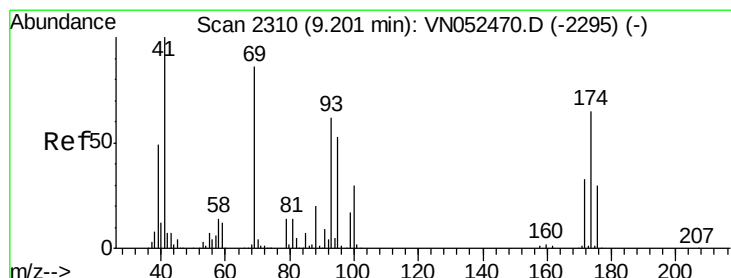
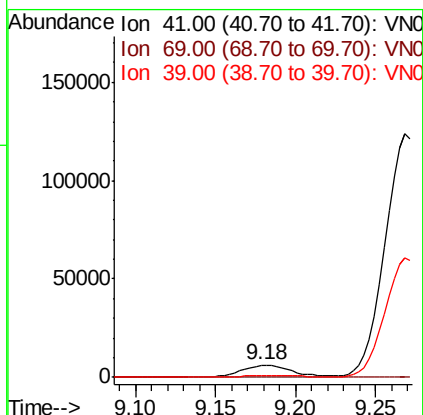
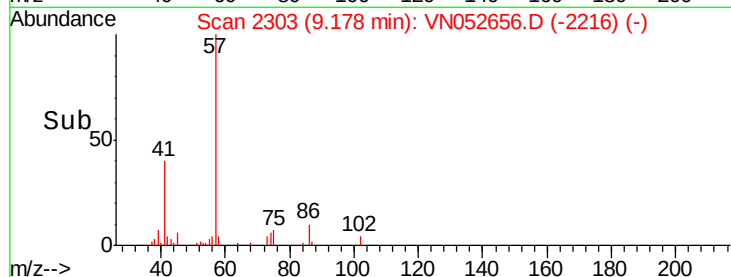
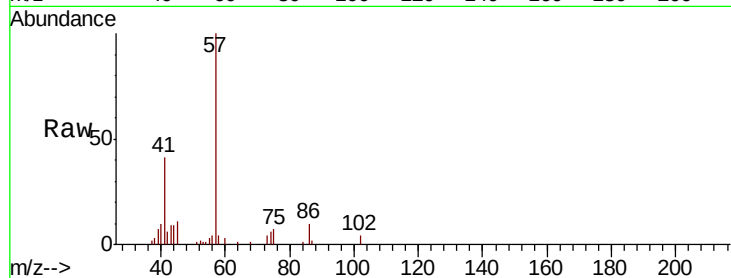




#48
Methvl methacrylate
Concen: 1.574 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

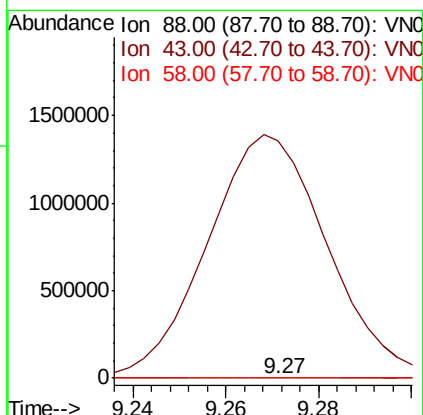
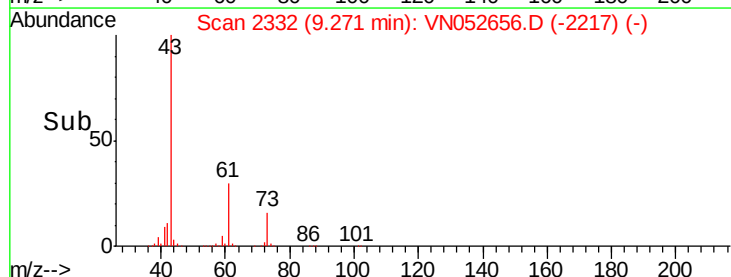
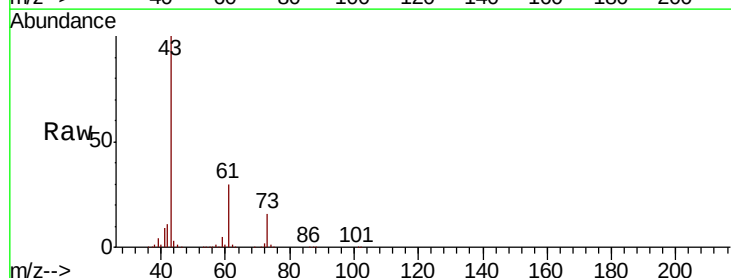
Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

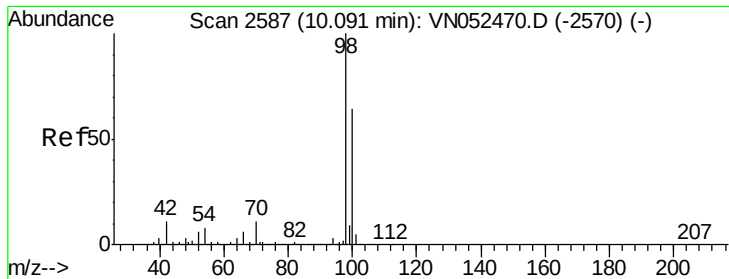
Tot Ion: 41 Resp: 13950
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 4.110 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Tgt Ion: 88 Resp: 378
Ion Ratio Lower Upper
88 100
43 675293.9 26.4 39.6#
58 3114.3 55.4 83.0#





#50

Toluene-d8

Concen: 4.110 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

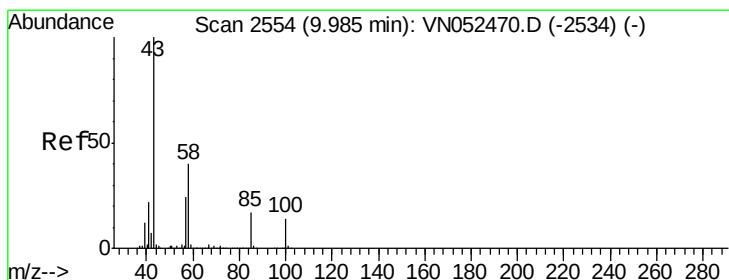
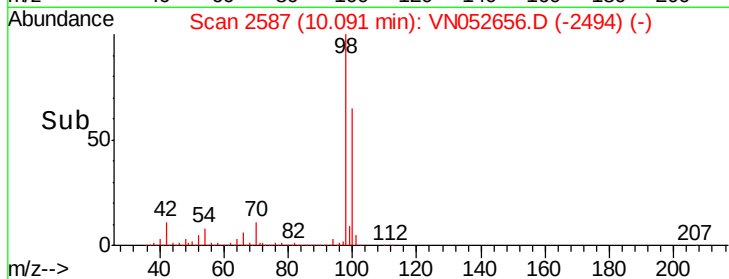
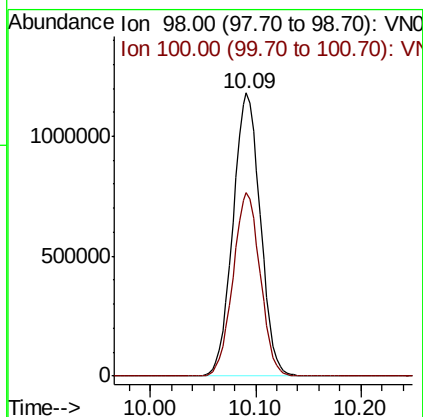
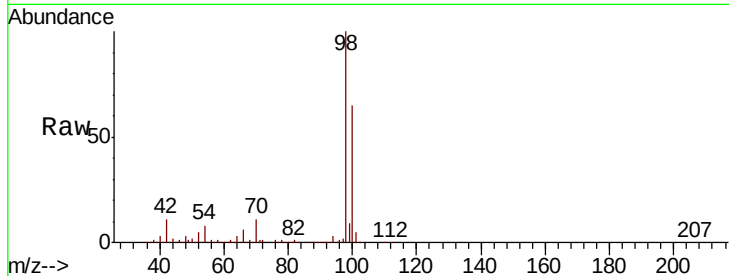
PB115293ZHE#02

Tot Ion: 98 Resp: 2123761

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.912 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052656.D

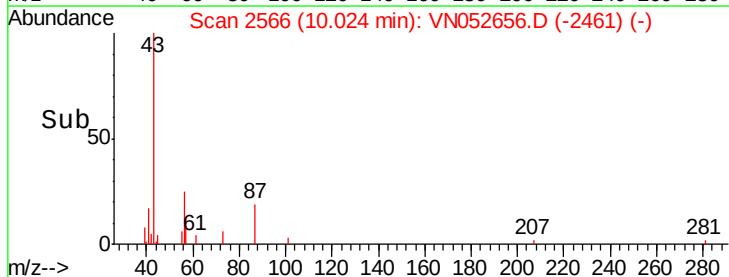
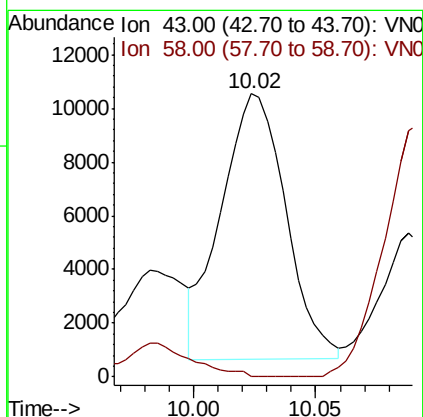
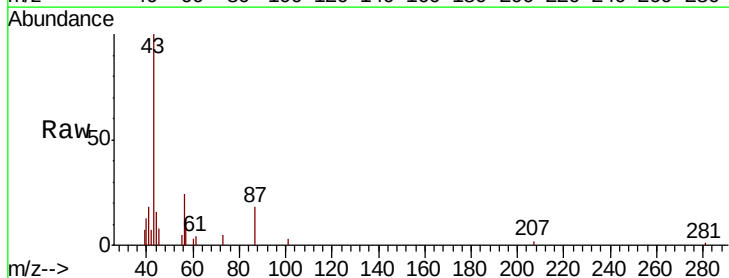
Acq: 4 Dec 2018 16:00

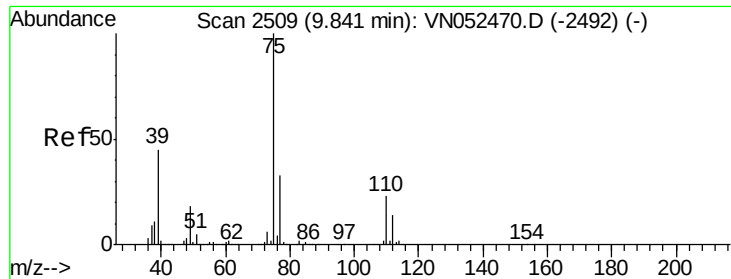
Tgt Ion: 43 Resp: 18233

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.585 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

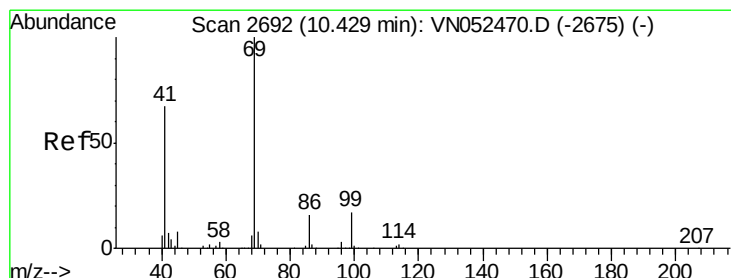
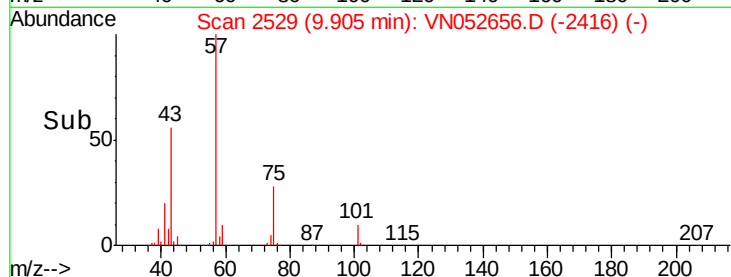
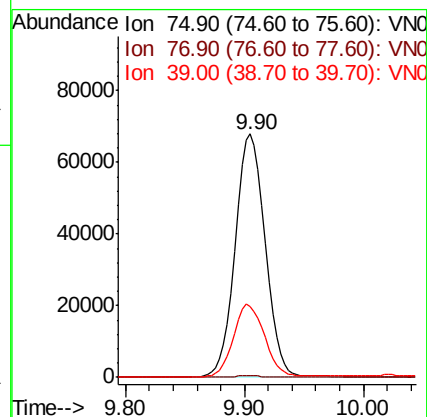
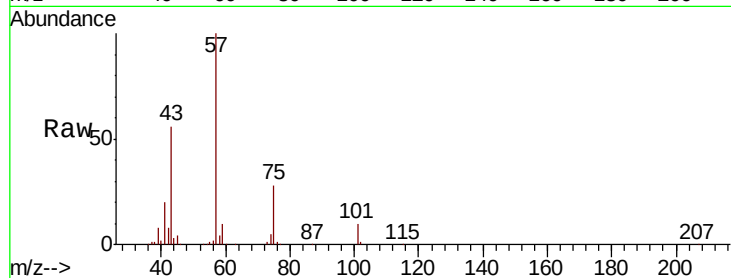
Tot Ion: 75 Resp: 119116

Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 29.3 36.0 54.0#



#56

Ethyl methacrylate

Concen: 2.701 ug/l

RT: 10.36 min Scan# 2672

Delta R.T. -0.06 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

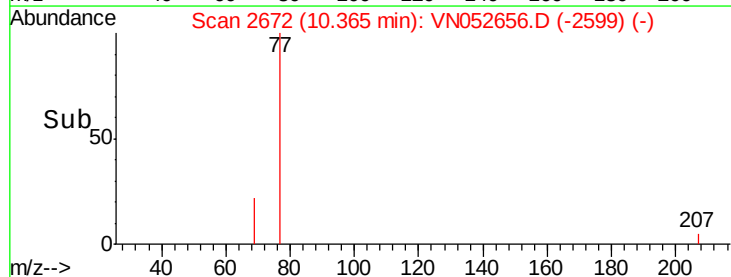
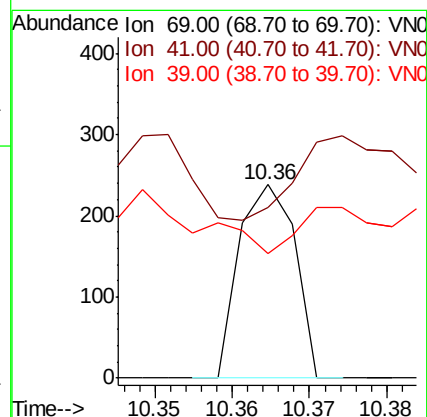
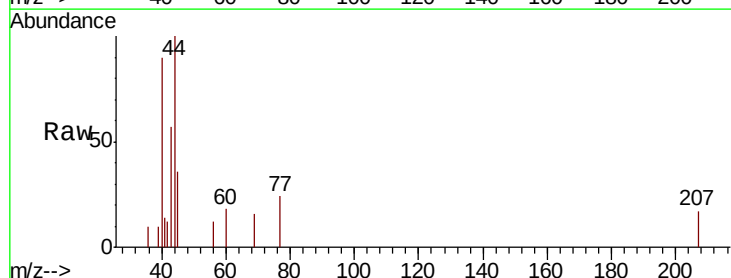
Tgt Ion: 69 Resp: 120

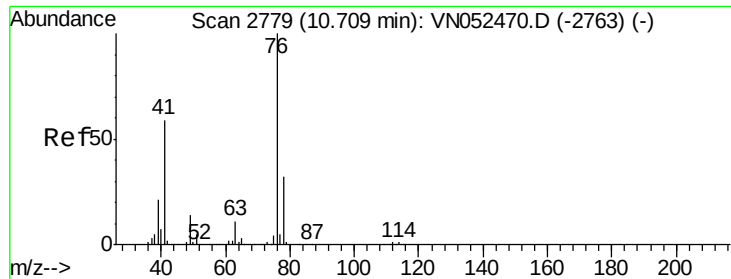
Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

39 0.0 25.9 38.9#





#57

1,3-Dichloropropane

Concen: 1.375 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

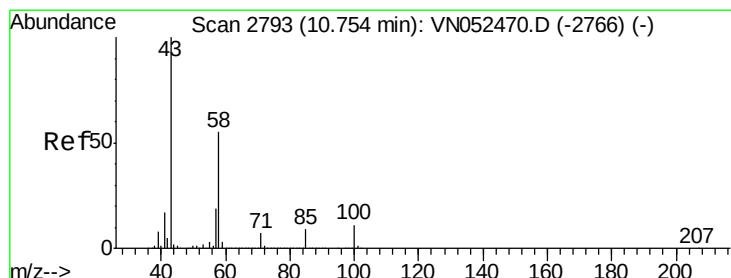
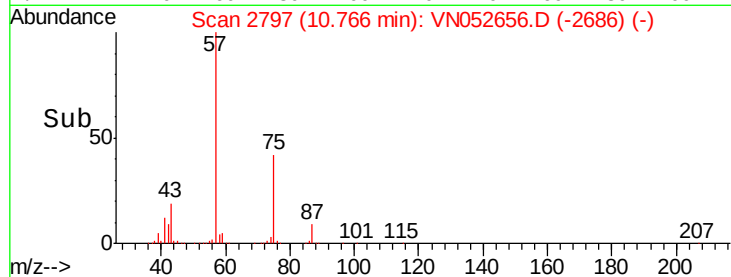
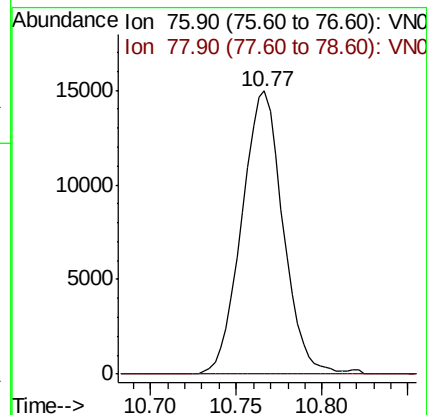
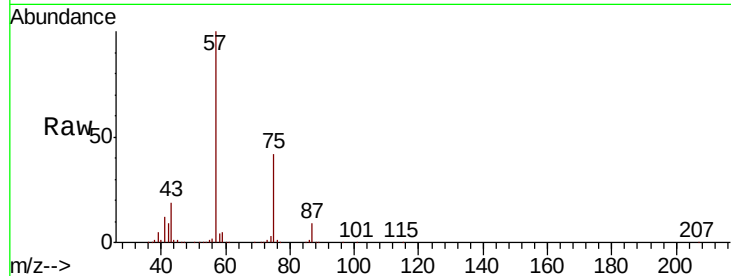
PB115293ZHE#02

Tot Ion: 76 Resp: 24872

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 52.185 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN052656.D

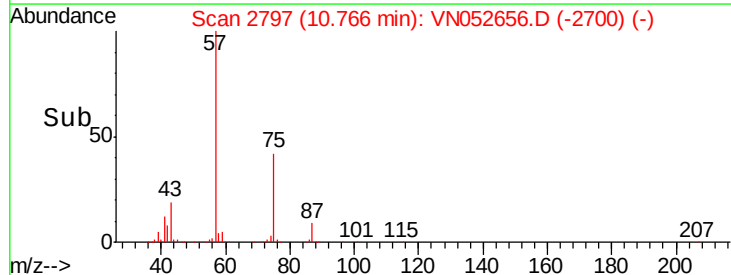
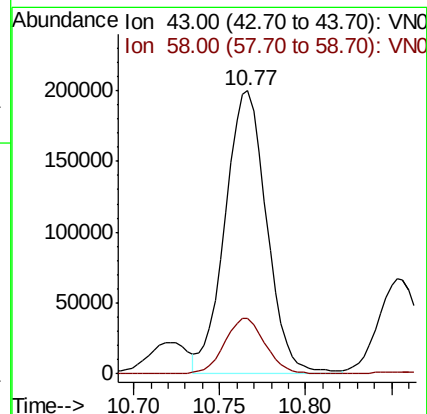
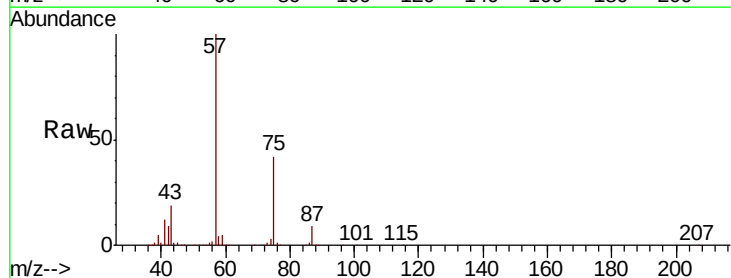
Acq: 4 Dec 2018 16:00

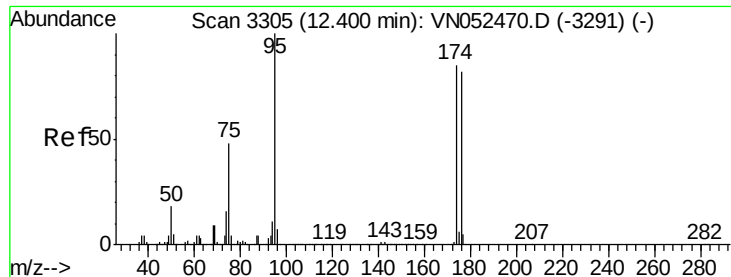
Tgt Ion: 43 Resp: 333936

Ion Ratio Lower Upper

43 100

58 19.6 27.4 82.0#

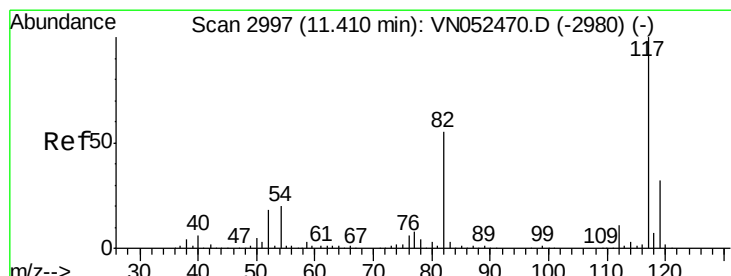
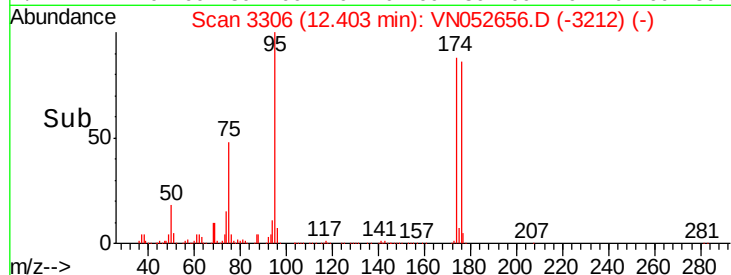
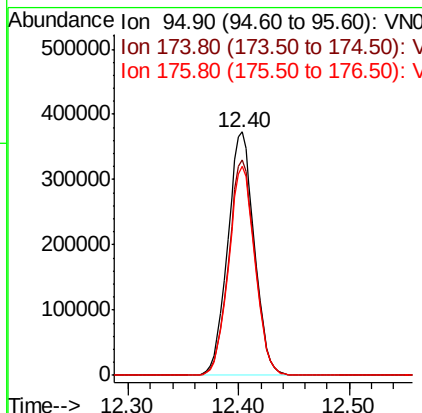
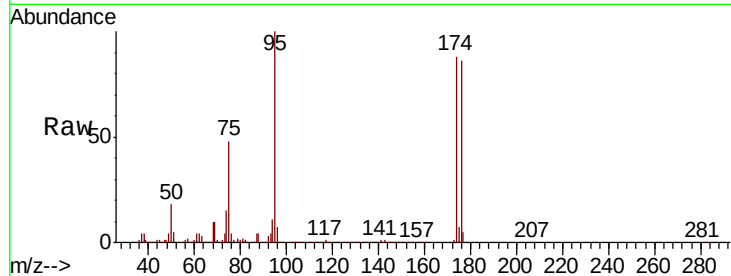




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

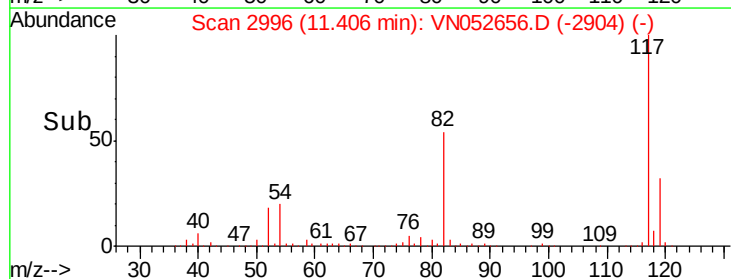
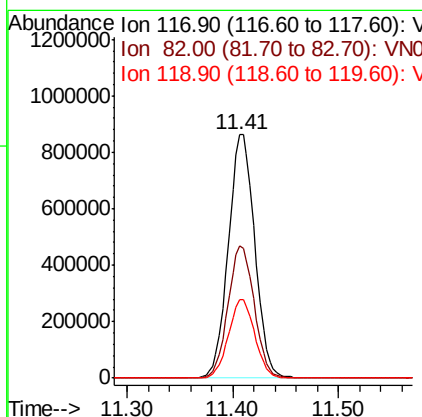
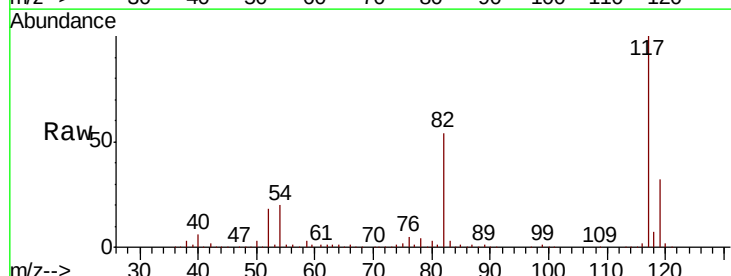
Instrument :
MSVOA_N
ClientSampleId :
PB115293ZHE#02

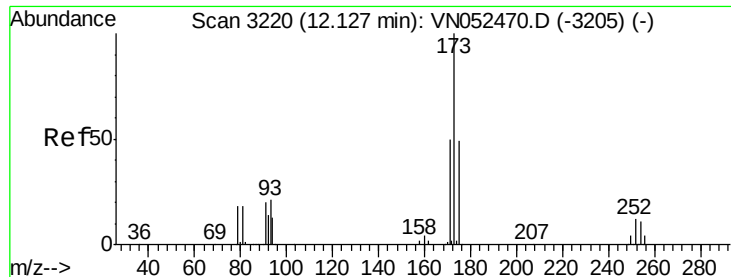
Tot Ion: 95 Resp: 621141
Ion Ratio Lower Upper
95 100
174 87.9 0.0 173.0
176 85.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052656.D
Acq: 4 Dec 2018 16:00

Tgt Ion: 117 Resp: 1491673
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.0 25.4 38.2





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

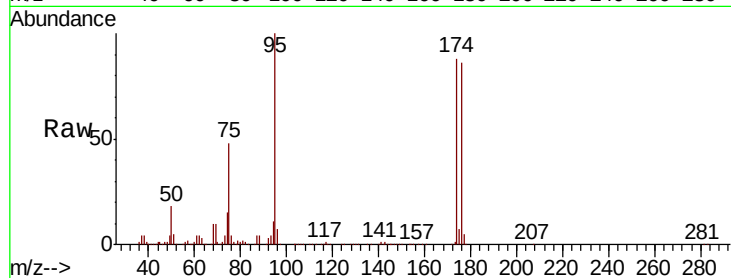
Tot Ion:173 Resp: 3943

Ion Ratio Lower Upper

173 100

175 883.9 24.4 73.2#

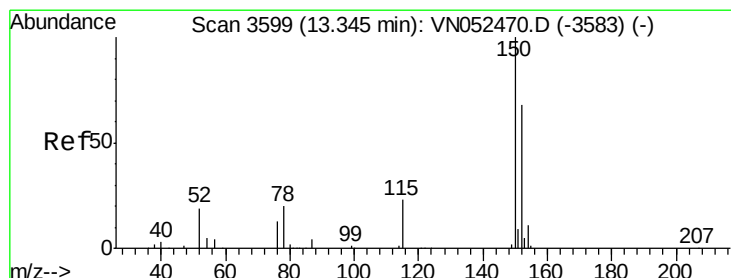
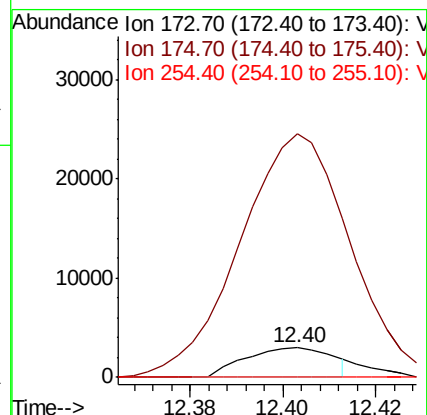
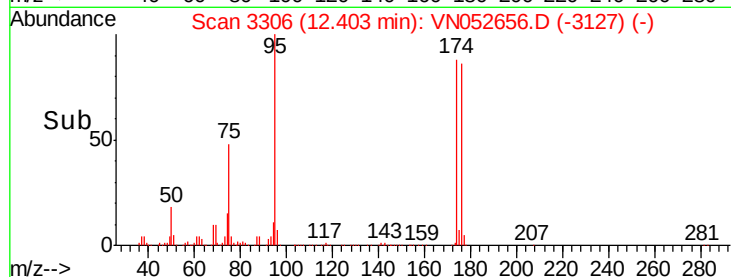
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

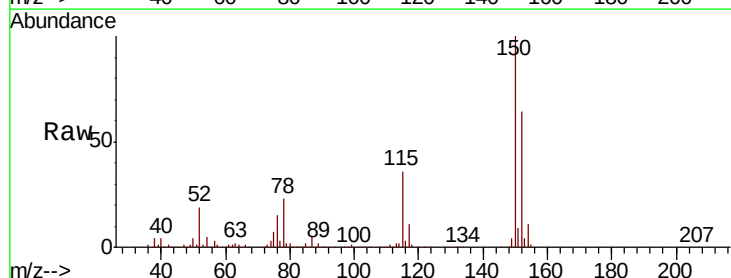
Tgt Ion:152 Resp: 494714

Ion Ratio Lower Upper

152 100

115 56.6 28.4 85.2

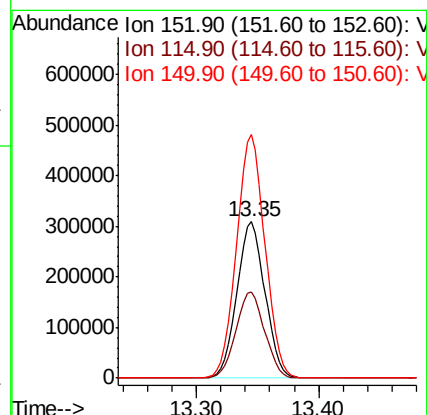
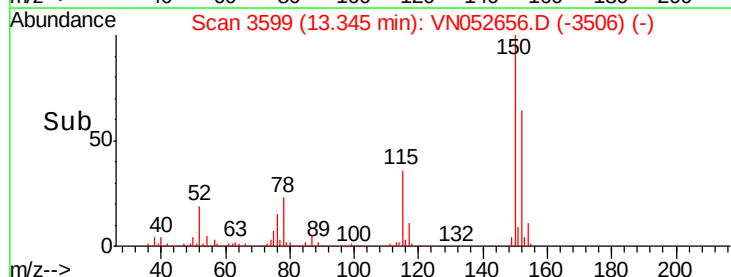
150 157.5 0.0 346.0

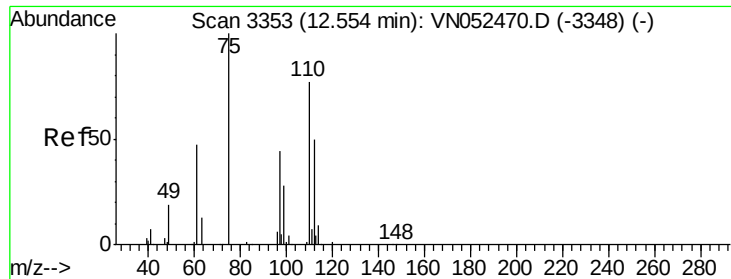


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.308 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

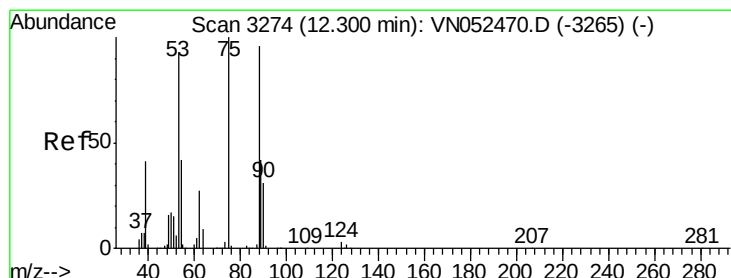
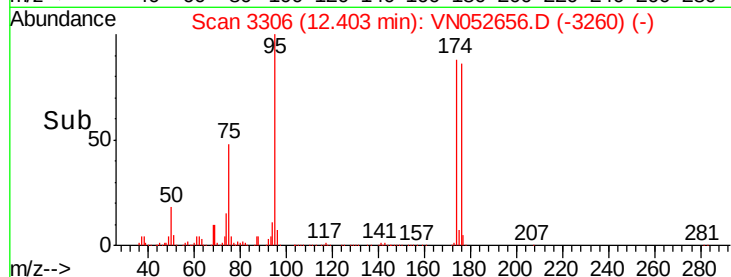
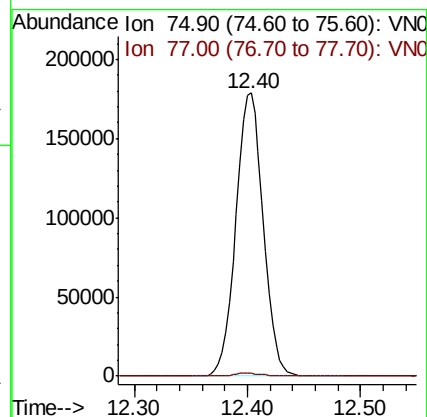
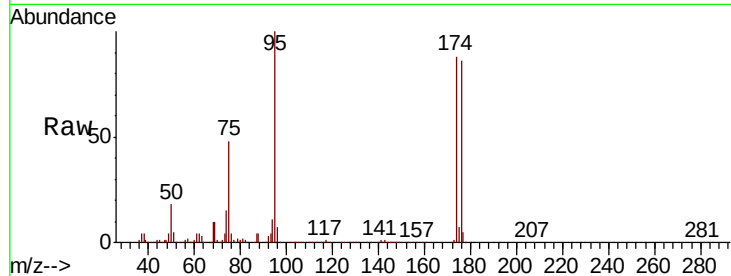
PB115293ZHE#02

Tot Ion: 75 Resp: 299871

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.270 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

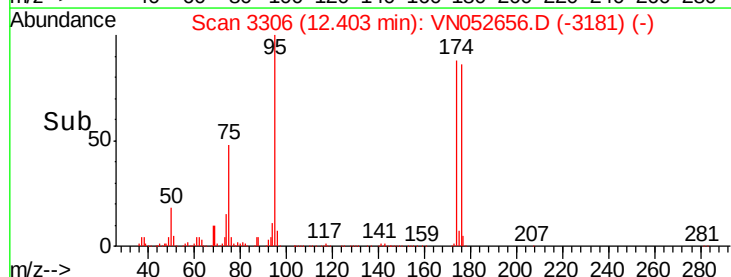
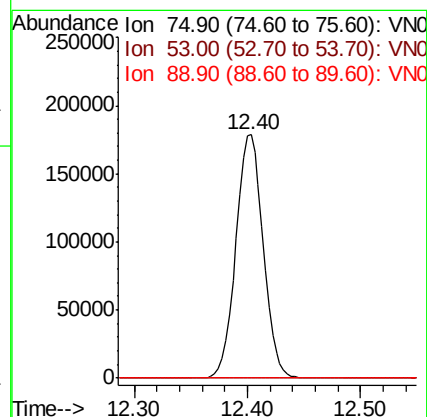
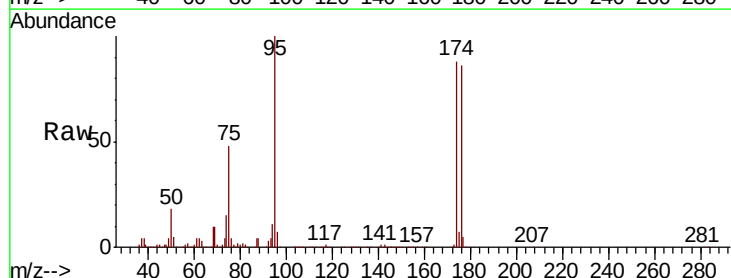
Tgt Ion: 75 Resp: 299871

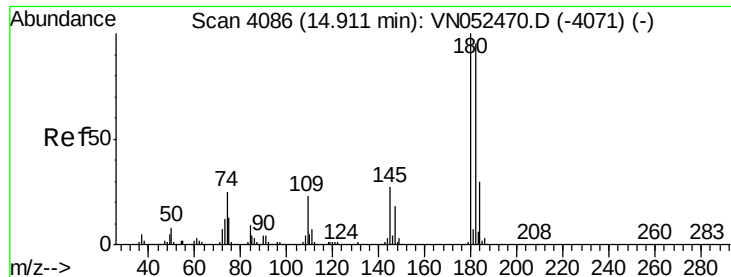
Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.860 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

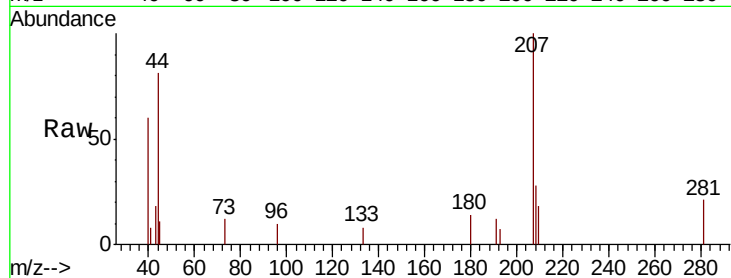
Tot Ion:180 Resp: 281

Ion Ratio Lower Upper

180 100

182 40.2 47.8 143.4#

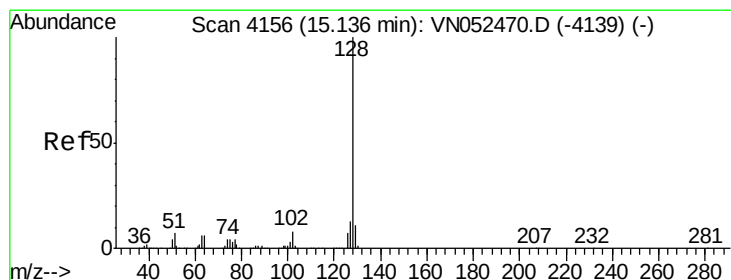
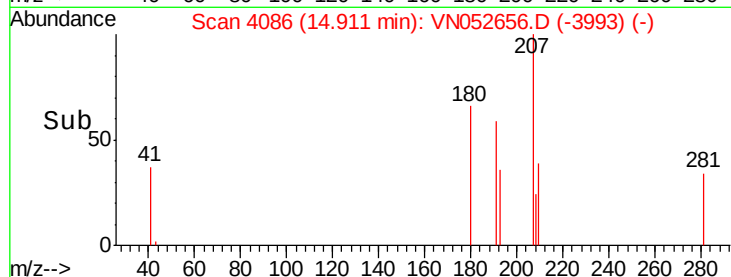
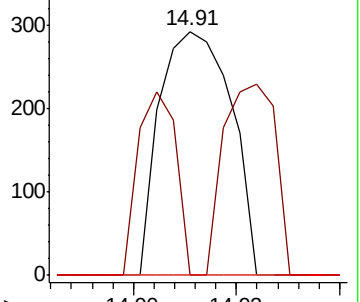
145 0.0 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.488 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

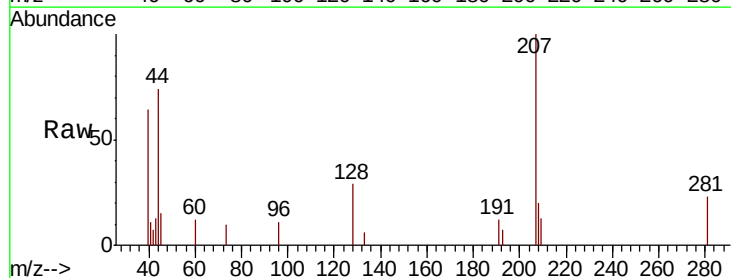
Tgt Ion:128 Resp: 1191

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

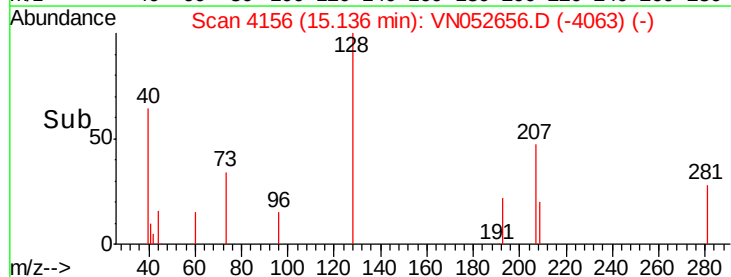
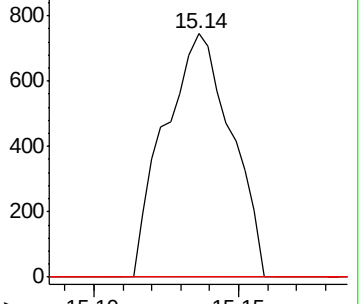
129 0.0 8.7 13.1#

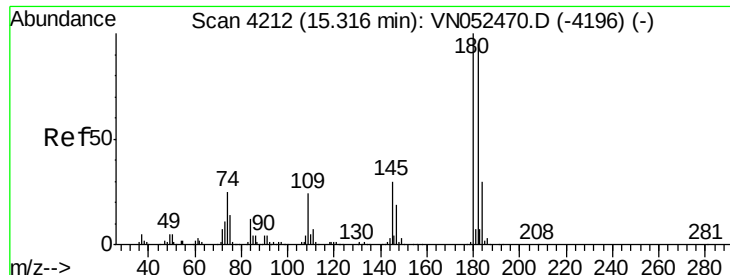


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.763 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052656.D

Acq: 4 Dec 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

PB115293ZHE#02

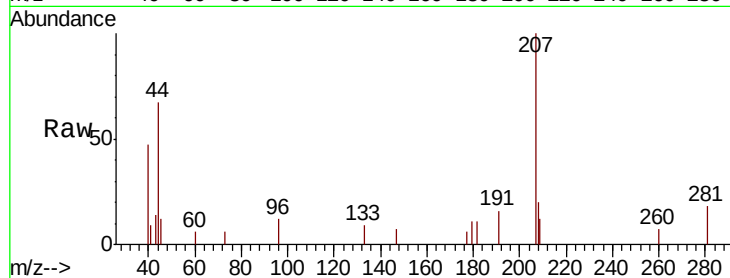
Tot Ion:180 Resp: 310

Ion Ratio Lower Upper

180 100

182 80.0 47.8 143.3

145 0.0 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

