

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052762.D
 Acq On : 10 Dec 2018 19:10
 Operator : MD\SY
 Sample : PB115448ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115448ZHE#11

Quant Time: Dec 11 01:25:16 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	1195725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1854252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1672764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683126	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	624840	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	496304	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	
50) Toluene-d8	10.09	98	2272667	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	741846	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

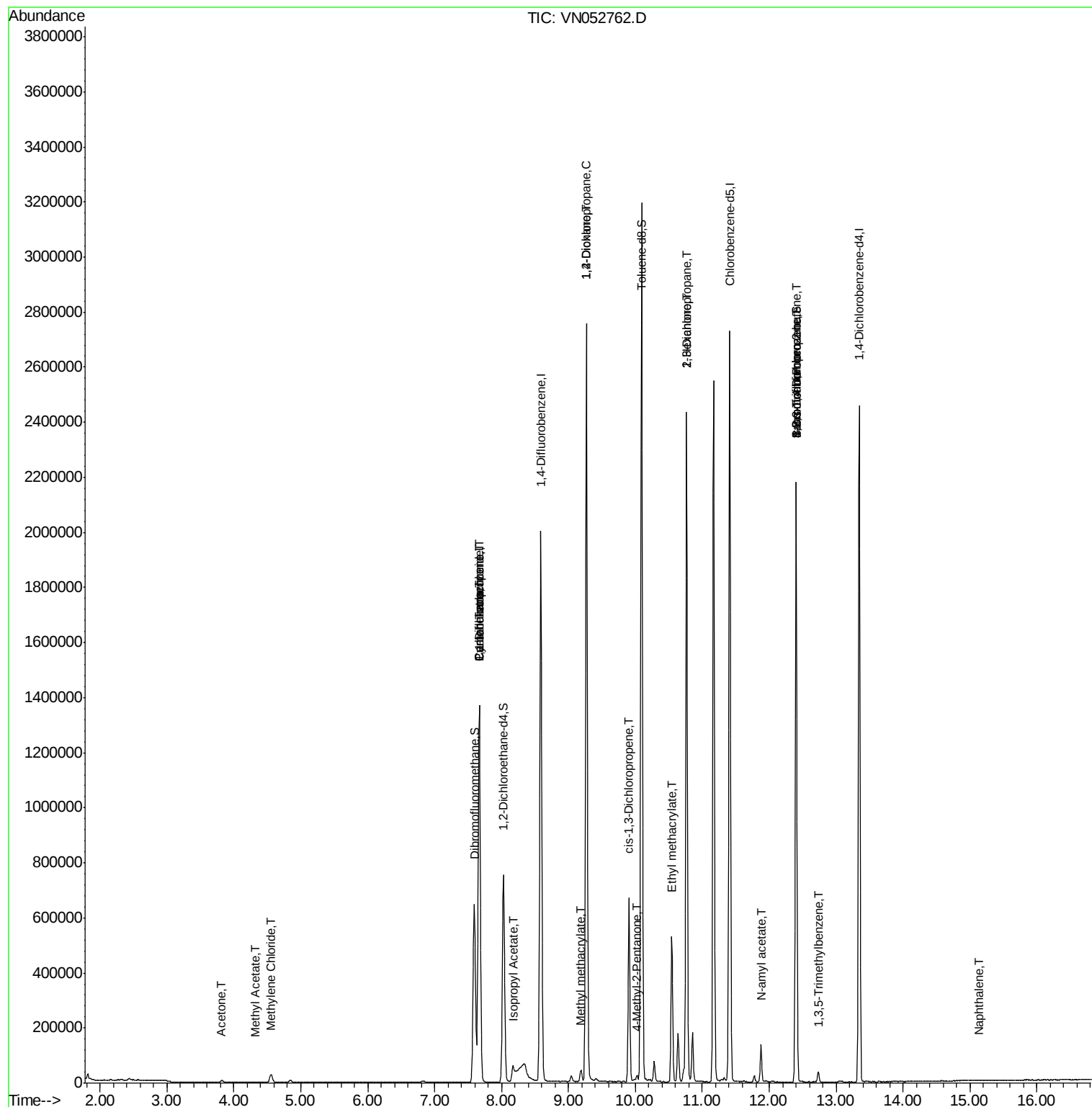
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	11235	3.272	ug/l	100
18) Methyl Acetate	4.32	43	2360	0.240	ug/l #	87
20) Methylene Chloride	4.56	84	22481	1.673	ug/l	94
31) Cyclohexane	7.67	56	20109	0.536	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80343	4.588	ug/l #	50
38) Carbon Tetrachloride	7.67	117	105279	6.642	ug/l #	16
43) Isopropyl Acetate	8.17	43	80458	4.449	ug/l #	72
45) 1,2-Dichloropropane	9.27	63	2830	0.204	ug/l #	43
48) Methyl methacrylate	9.18	41	13957	1.480	ug/l #	13
49) 1,4-Dioxane	9.26	88	191	1.952	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17189	1.694	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	125111	6.499	ug/l #	62
56) Ethyl methacrylate	10.54	69	1602	2.793	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	26004	1.350	ug/l #	43
59) 2-Hexanone	10.76	43	353384	51.892	ug/l #	51
71) Bromoform	12.40	173	4442	0.559	ug/l #	1
74) N-amyl acetate	11.88	43	43064	3.180	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	353694	33.576	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	19511	0.456	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	353694	112.127	ug/l #	11
95) Naphthalene	15.13	128	402	3.443	ug/l #	69

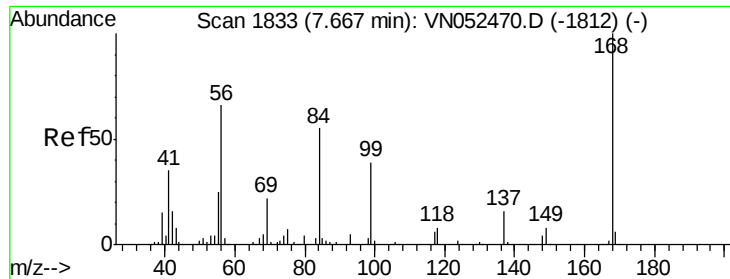
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052762.D
Acq On : 10 Dec 2018 19:10
Operator : MD\SY
Sample : PB115448ZHE#11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115448ZHE#11

Quant Time: Dec 11 01:25:16 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: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

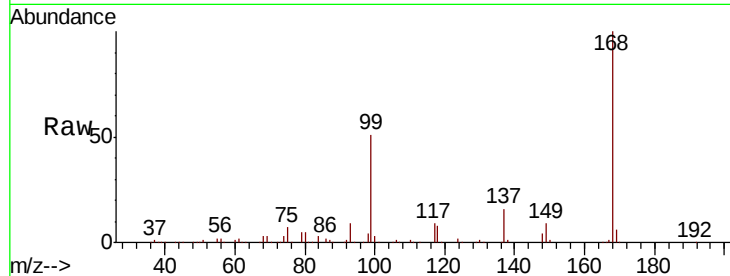
PB115448ZHE#11

Tot Ion:168 Resp: 1195725

Ion Ratio Lower Upper

168 100

99 50.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052762.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052762.D (-1740) (-)

7.67

500000

400000

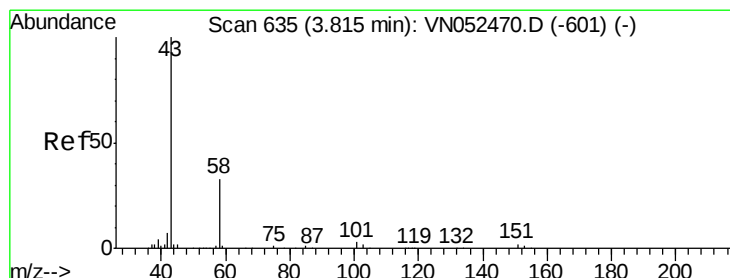
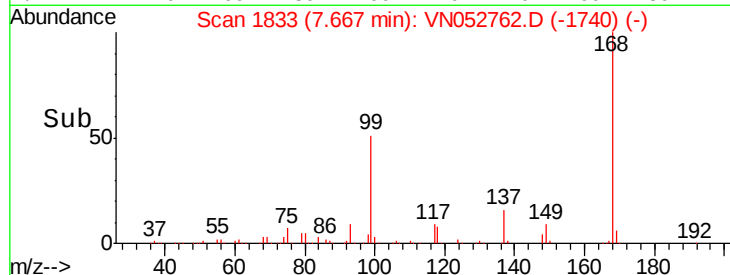
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.272 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052762.D

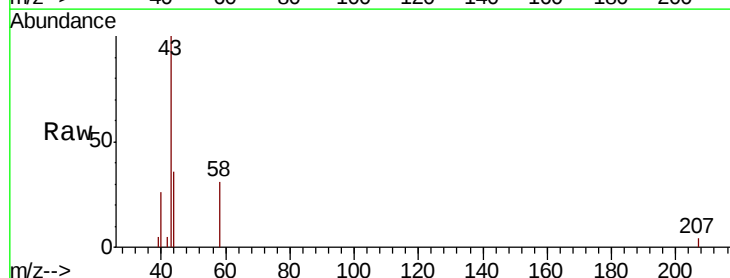
Acq: 10 Dec 2018 19:10

Tgt Ion: 43 Resp: 11235

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052762.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052762.D (-542) (-)

3.82

5000

4000

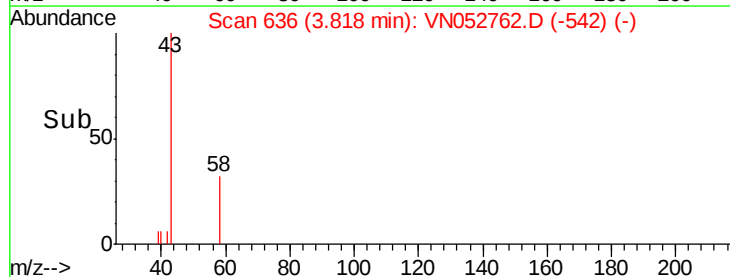
3000

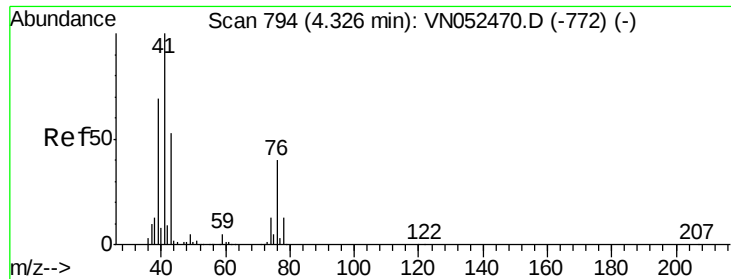
2000

1000

0

Time-->

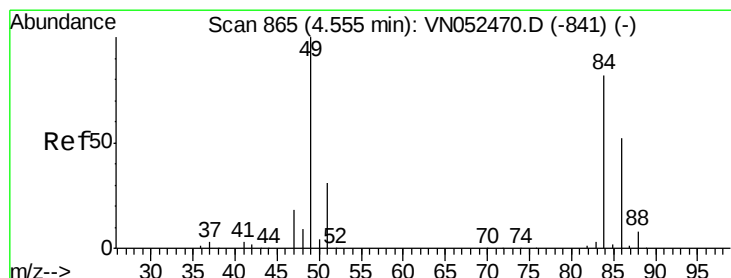
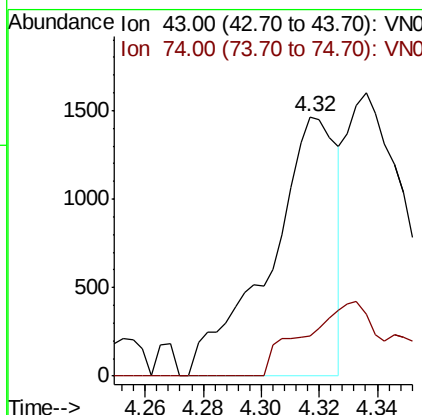
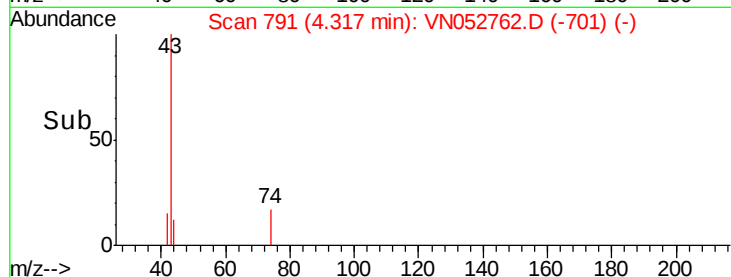
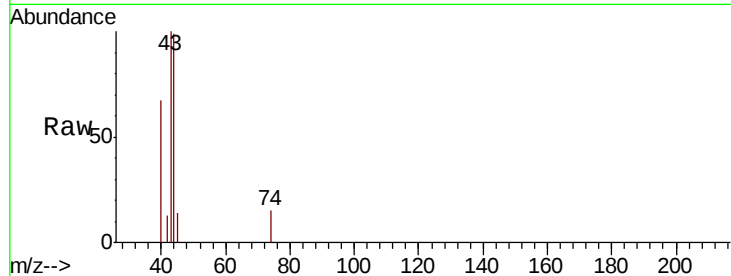




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN052762.D
Acq: 10 Dec 2018 19:10

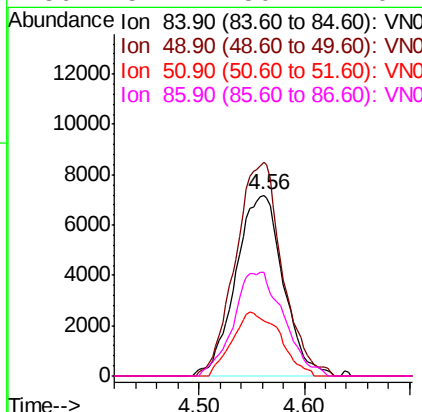
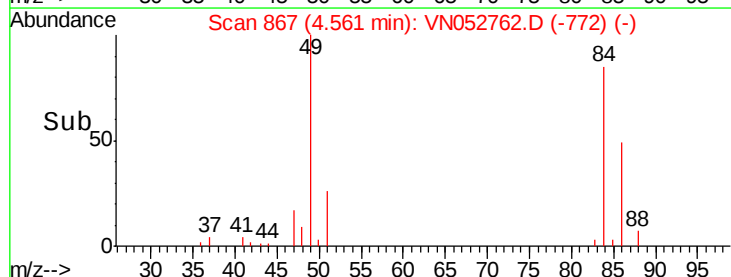
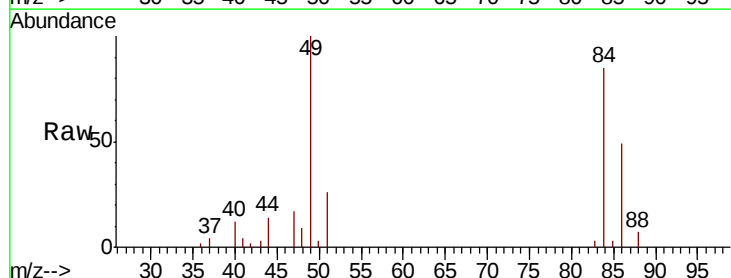
Instrument :
MSVOA_N
ClientSampleId :
PB115448ZHE#11

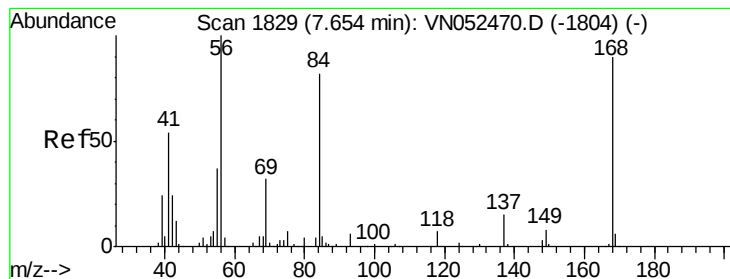
Tot Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
74 29.7 18.6 27.8#



#20
Methylene Chloride
Concen: 1.673 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052762.D
Acq: 10 Dec 2018 19:10

Tgt Ion: 84 Resp: 22481
Ion Ratio Lower Upper
84 100
49 118.2 98.0 147.0
51 30.7 30.1 45.1
86 57.4 50.7 76.1





#31

Cyclohexane

Concen: 0.536 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

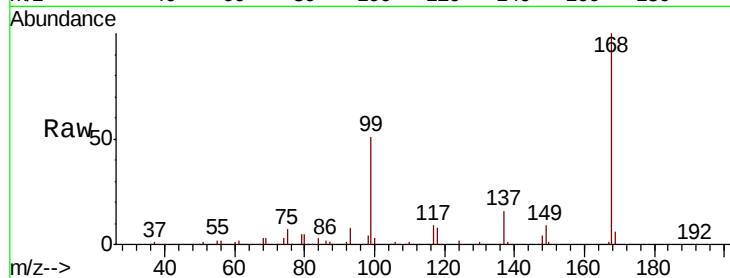
Tot Ion: 56 Resp: 20109

Ion Ratio Lower Upper

56 100

69 201.2 25.8 38.6#

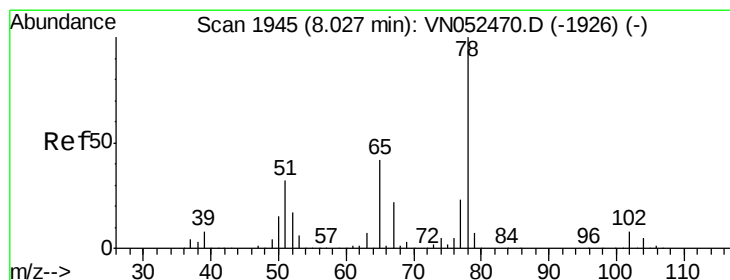
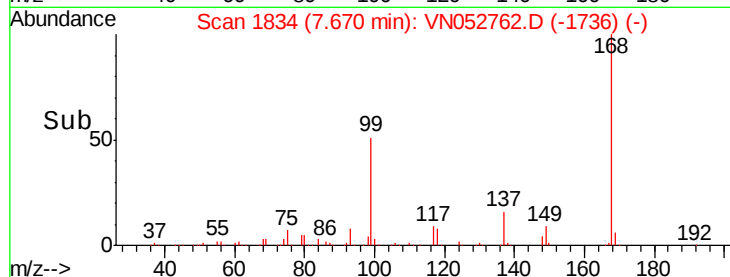
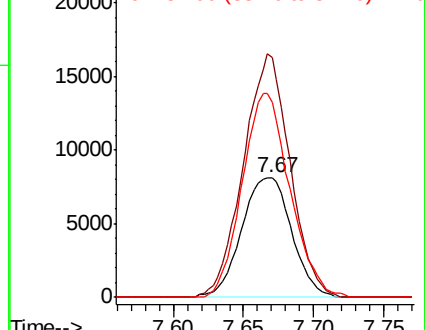
84 163.5 65.3 97.9#



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052762.D

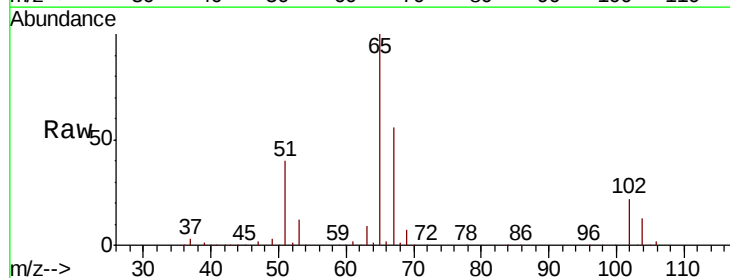
Acq: 10 Dec 2018 19:10

Tgt Ion: 65 Resp: 624840

Ion Ratio Lower Upper

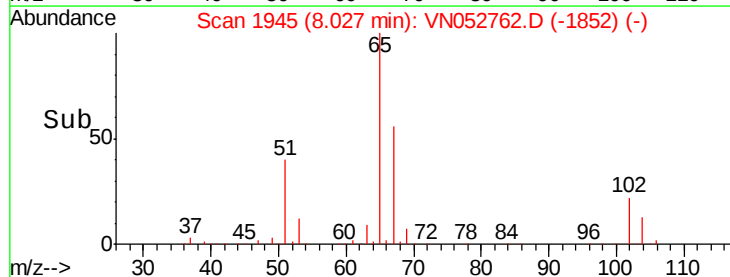
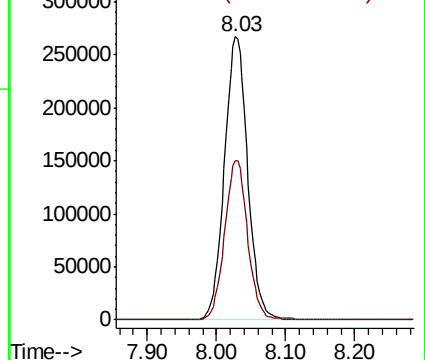
65 100

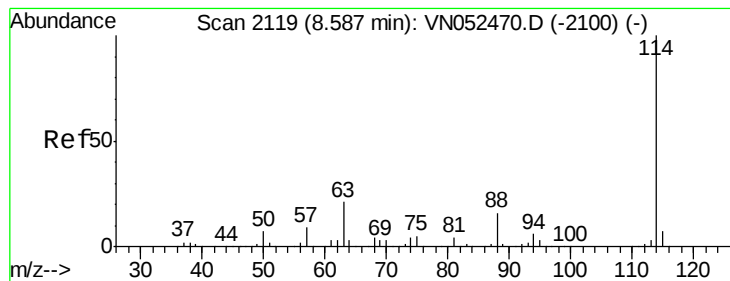
67 55.5 0.0 109.8



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: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

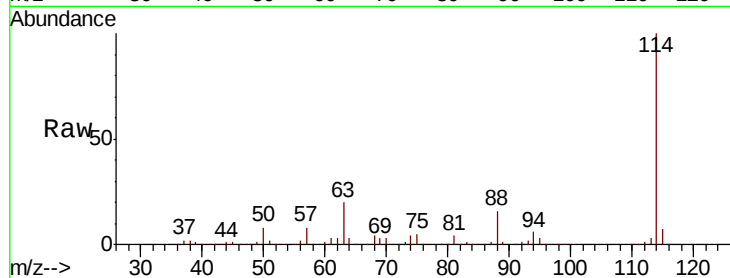
Tot Ion:114 Resp: 1854252

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

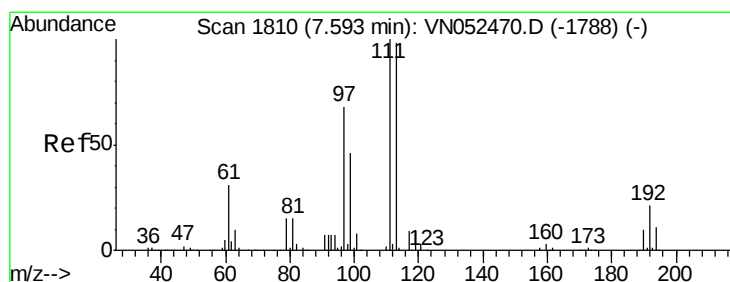
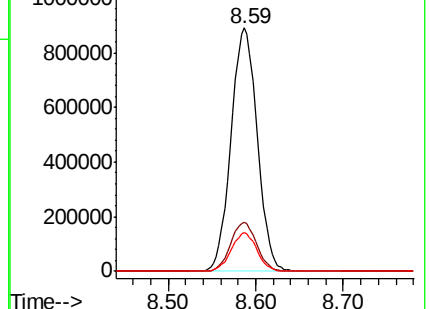
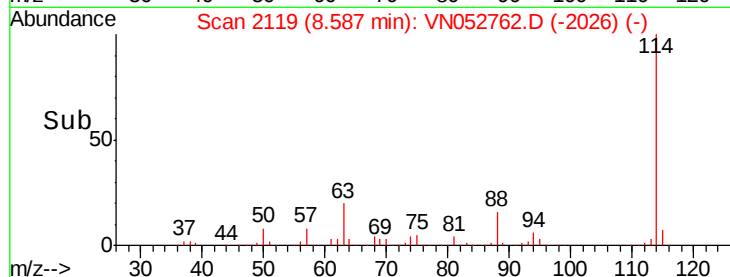
88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

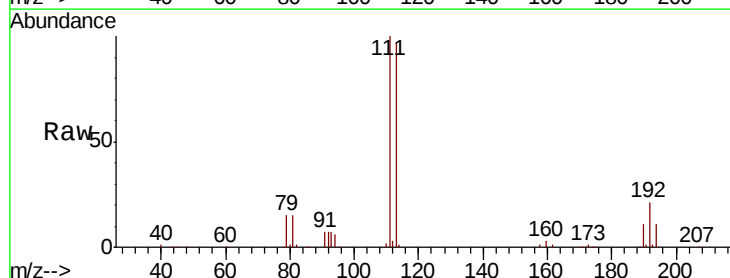
Tgt Ion:113 Resp: 496304

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

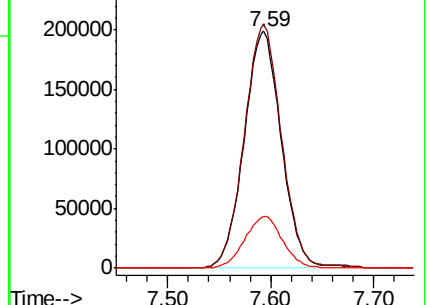
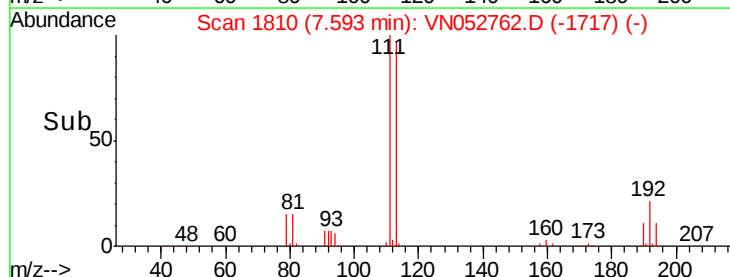
192 22.2 17.0 25.6

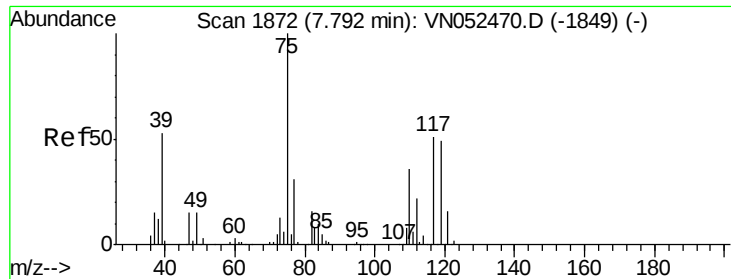


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

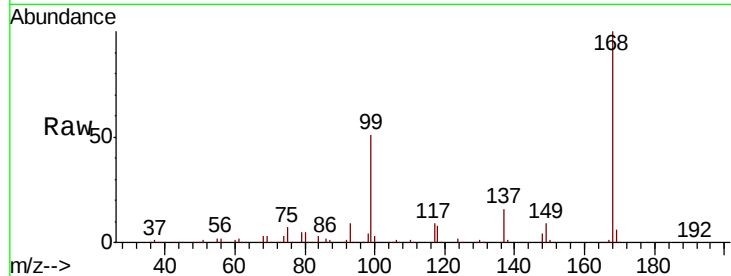
Tot Ion: 75 Resp: 80343

Ion Ratio Lower Upper

75 100

110 8.7 17.5 52.6#

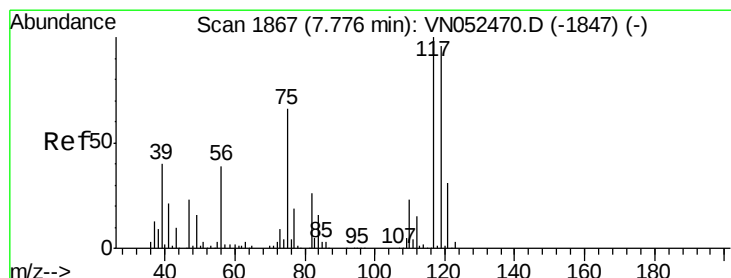
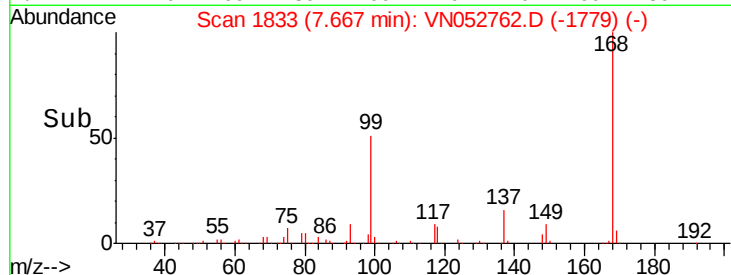
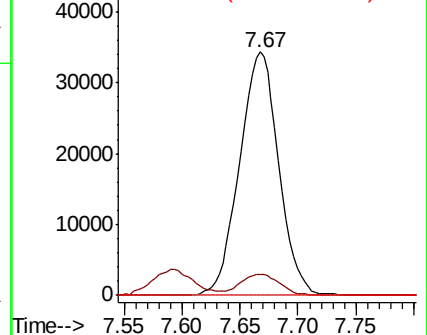
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052762.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052762.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052762.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.642 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

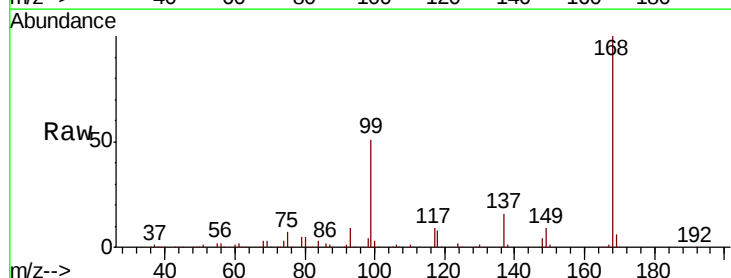
Tgt Ion: 117 Resp: 105279

Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

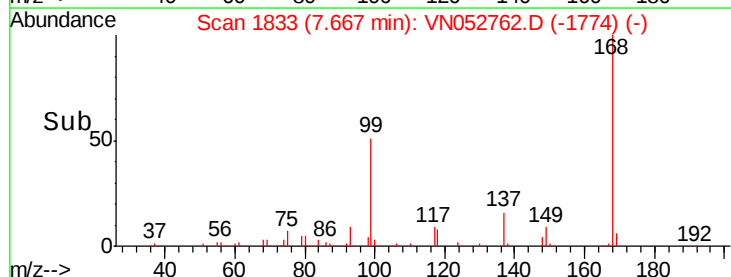
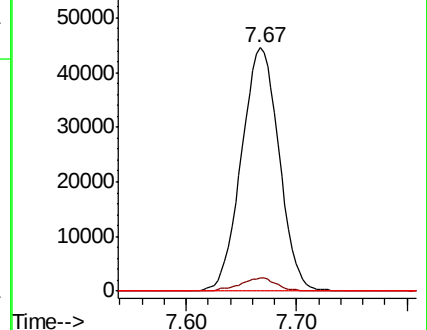
121 0.0 24.9 37.3#

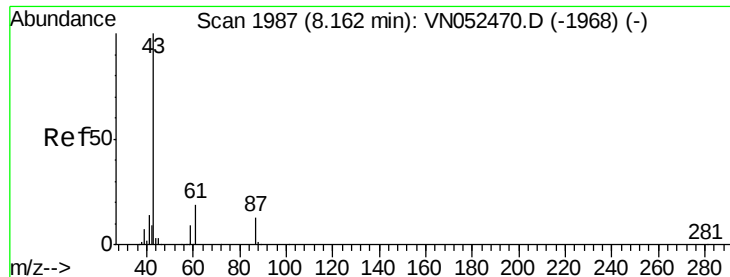


Abundance Ion 116.80 (116.50 to 117.50): VN052762.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052762.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052762.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 4.449 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

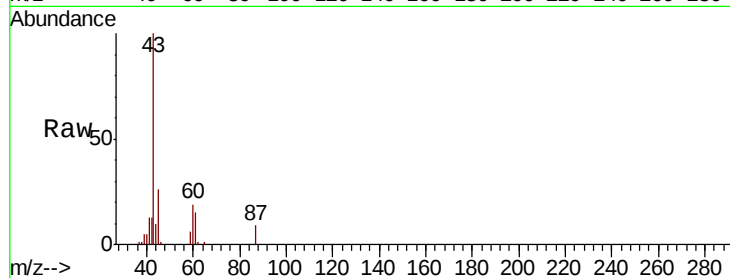
Tot Ion: 43 Resp: 80458

Ion Ratio Lower Upper

43 100

61 12.6 24.1 36.1#

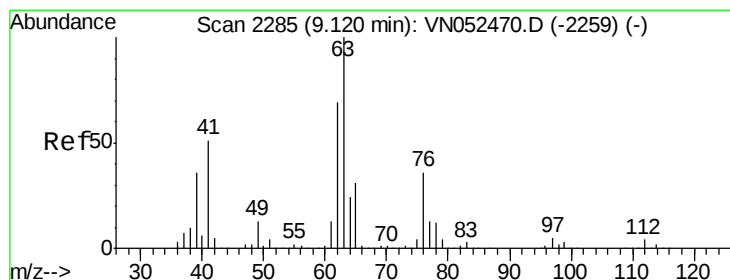
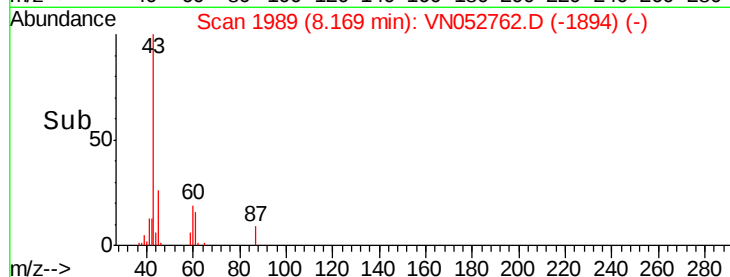
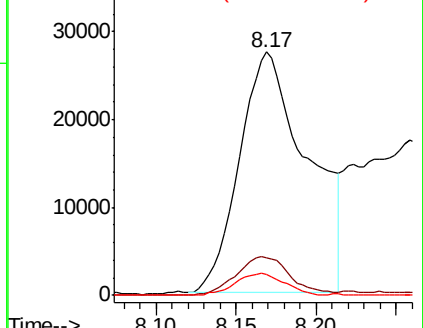
87 6.5 10.6 15.8#



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: 0.204 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052762.D

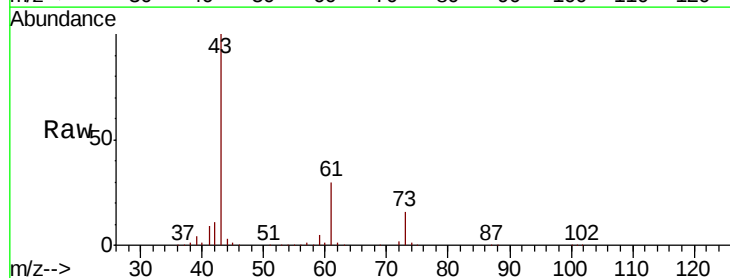
Acq: 10 Dec 2018 19:10

Tgt Ion: 63 Resp: 2830

Ion Ratio Lower Upper

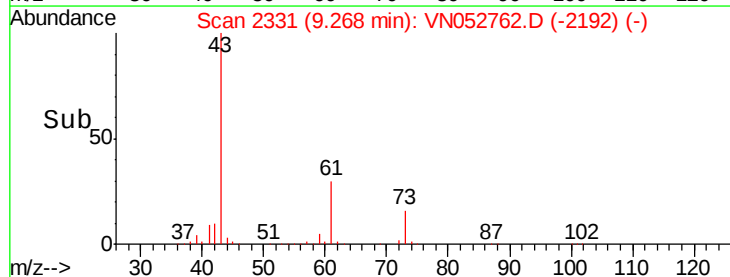
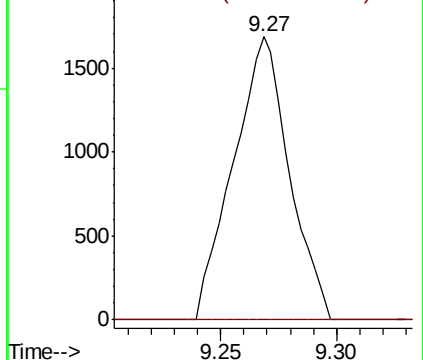
63 100

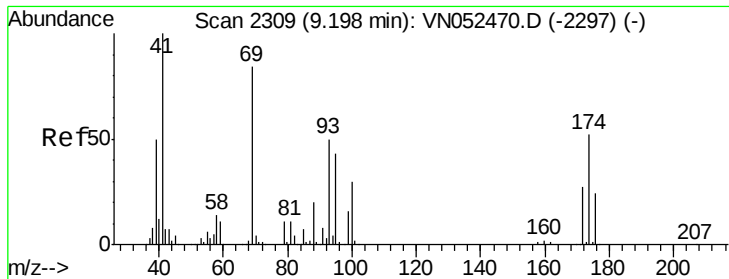
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

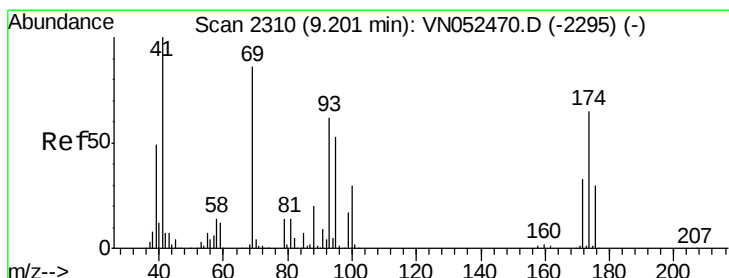
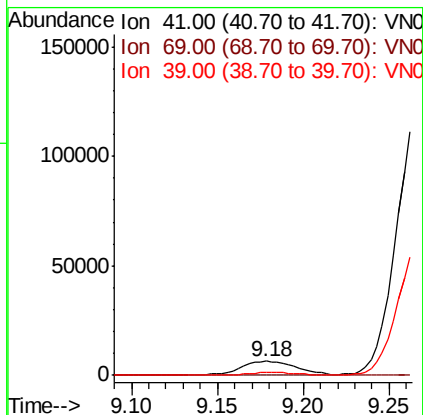
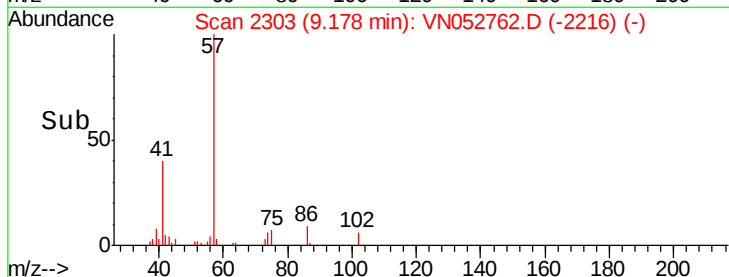
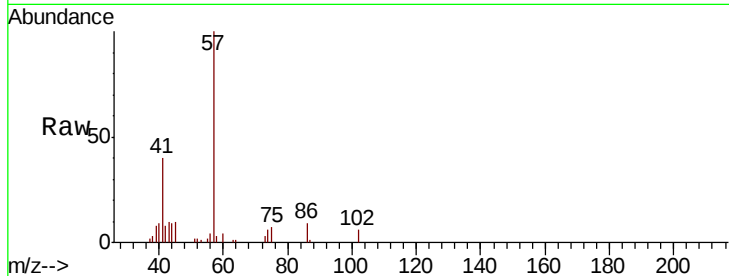




#48
Methvl methacrylate
Concen: 1.480 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052762.D
Acq: 10 Dec 2018 19:10

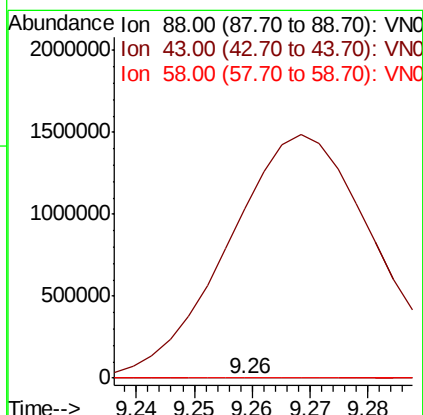
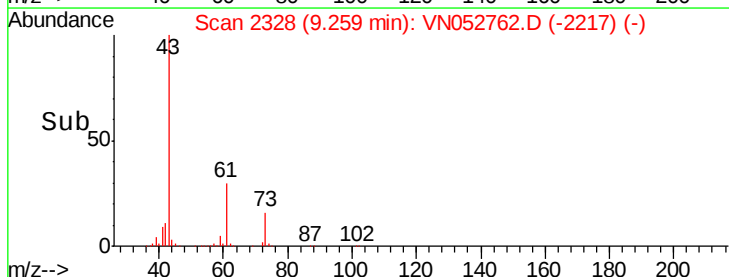
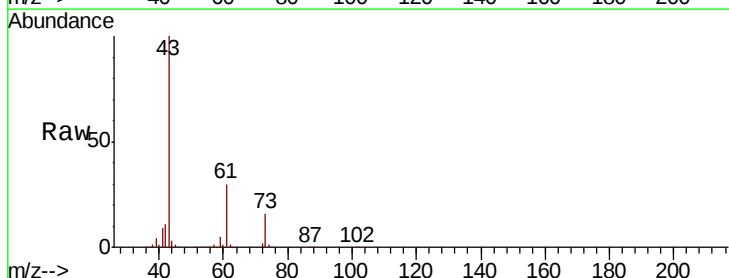
Instrument :
MSVOA_N
ClientSampleId :
PB115448ZHE#11

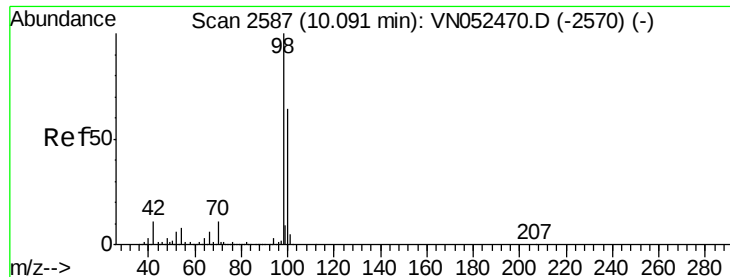
Tot Ion: 41 Resp: 13957
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 1.952 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN052762.D
Acq: 10 Dec 2018 19:10

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 1399328.8 26.4 39.6#
58 6024.1 55.4 83.0#





#50

Toluene-d8

Concen: 1.952 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

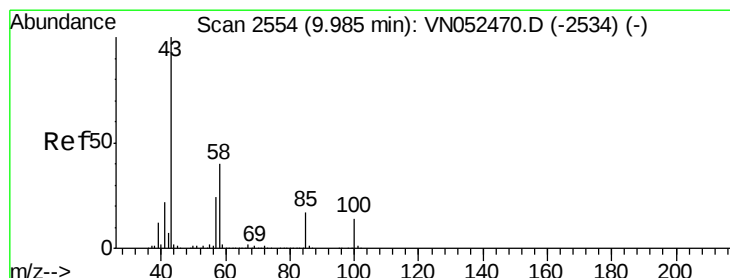
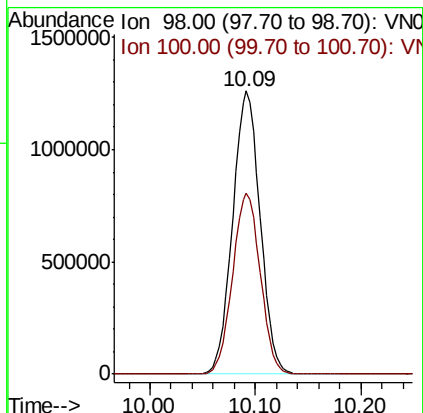
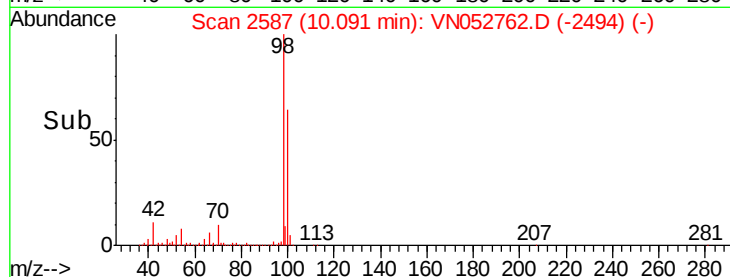
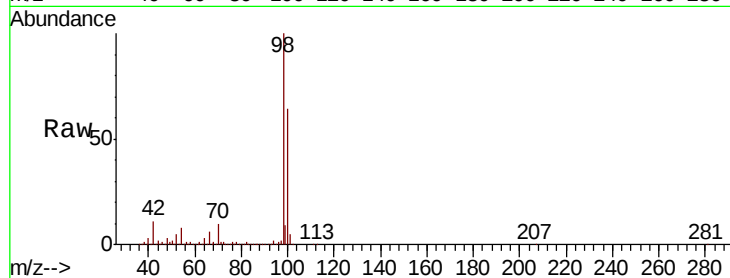
PB115448ZHE#11

Tot Ion: 98 Resp: 2272667

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.694 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052762.D

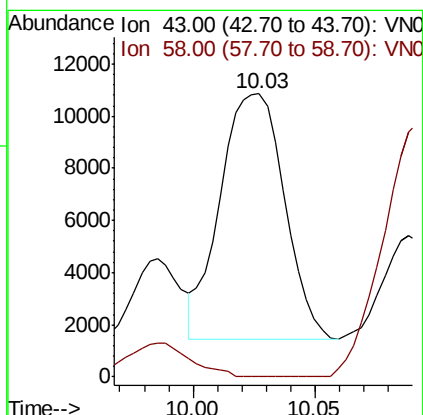
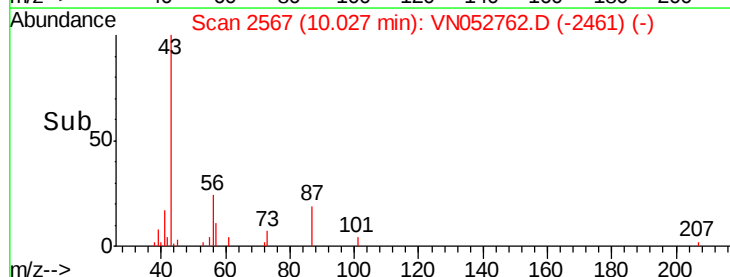
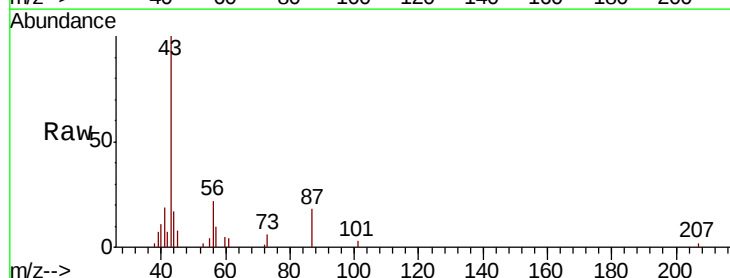
Acq: 10 Dec 2018 19:10

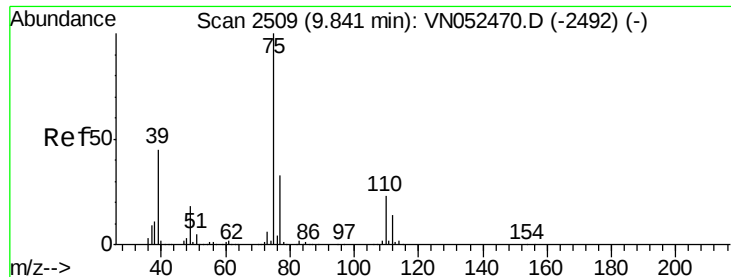
Tgt Ion: 43 Resp: 17189

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.499 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

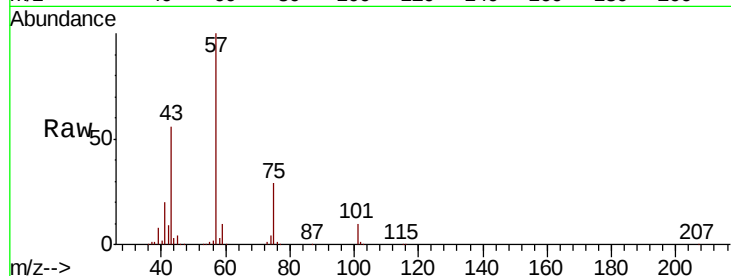
Tot Ion: 75 Resp: 125111

Ion Ratio Lower Upper

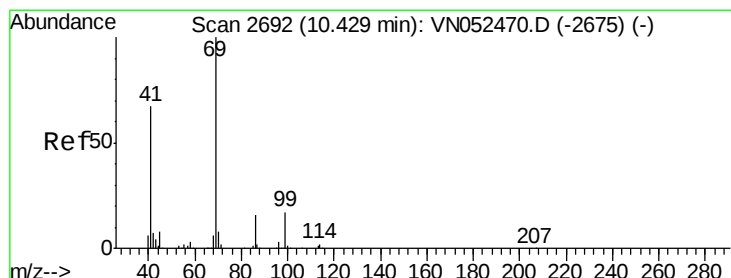
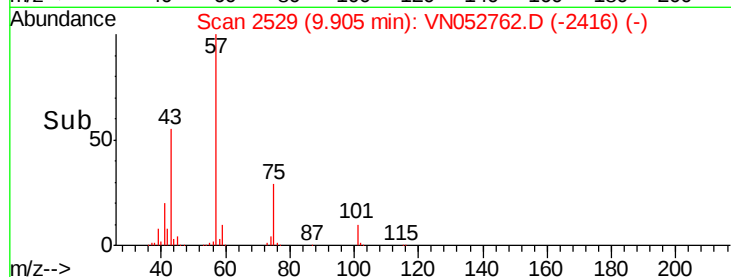
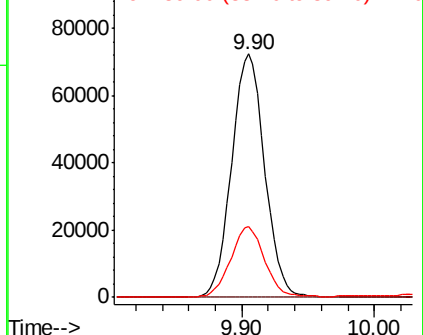
75 100

77 0.4 26.2 39.2#

39 29.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.793 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

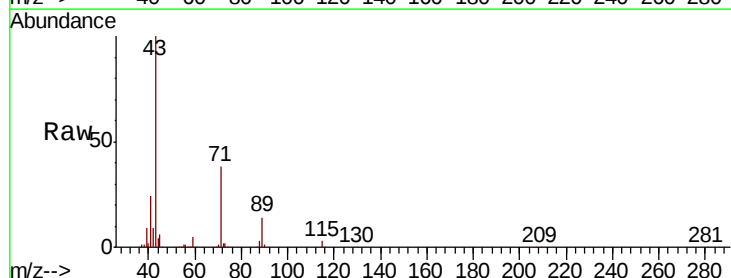
Tgt Ion: 69 Resp: 1602

Ion Ratio Lower Upper

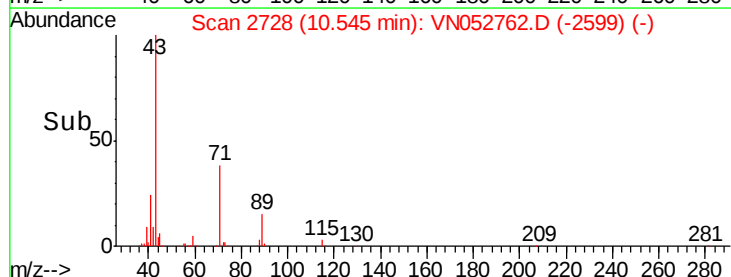
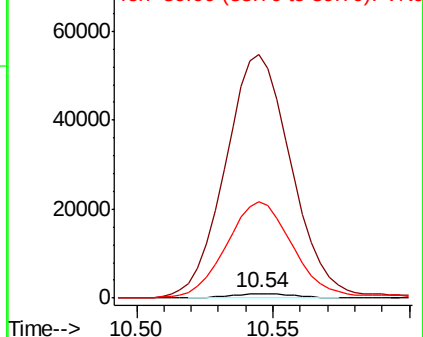
69 100

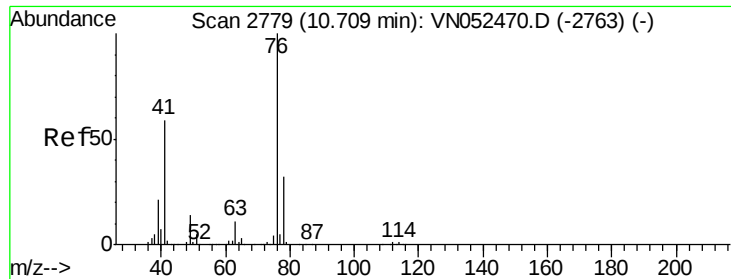
41 5790.5 52.6 79.0#

39 2302.2 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

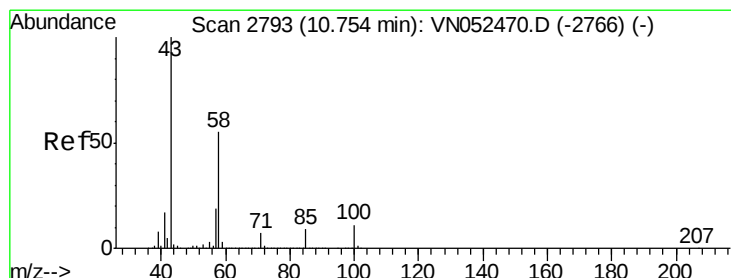
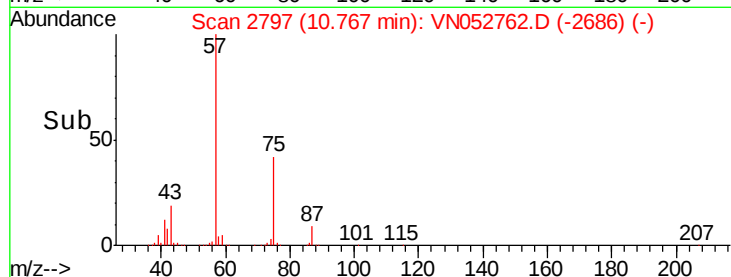
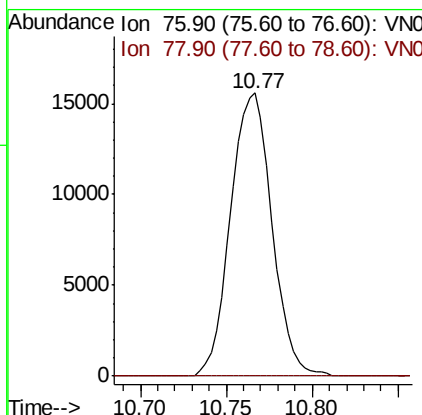
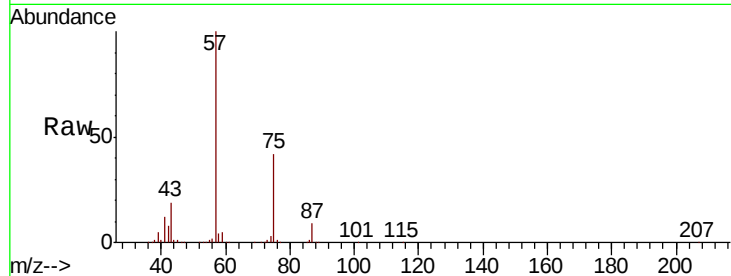




#57
 1,3-Dichloropropane
 Concen: 1.350 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN052762.D
 Acq: 10 Dec 2018 19:10

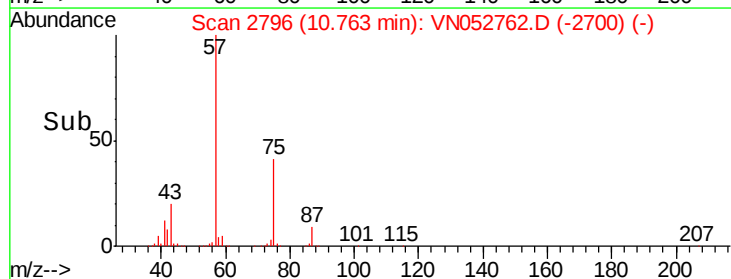
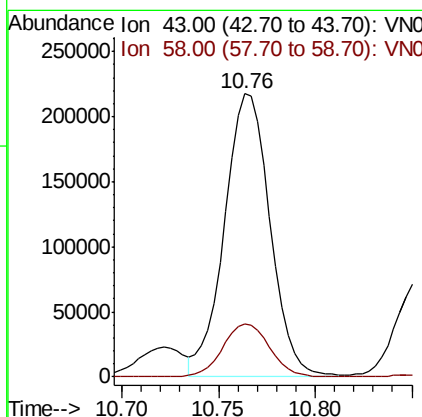
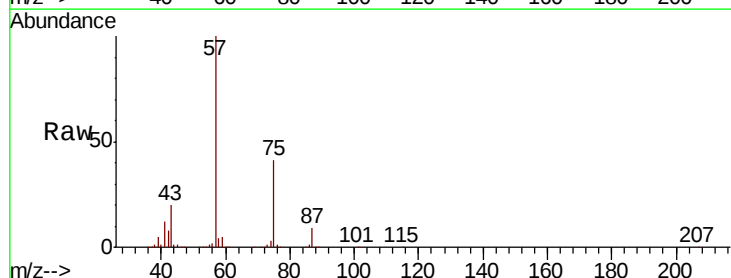
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115448ZHE#11

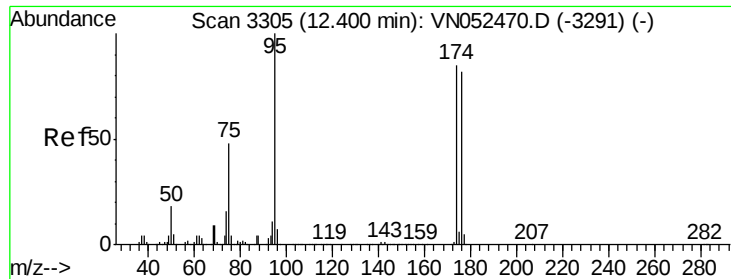
Tot Ion: 76 Resp: 26004
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 51.892 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052762.D
 Acq: 10 Dec 2018 19:10

Tgt Ion: 43 Resp: 353384
 Ion Ratio Lower Upper
 43 100
 58 19.4 27.4 82.0#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

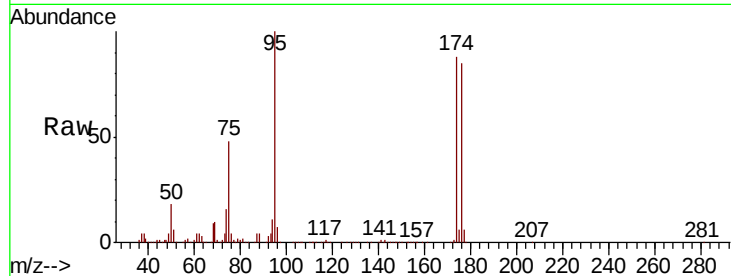
Tot Ion: 95 Resp: 741846

Ion Ratio Lower Upper

95 100

174 88.8 0.0 173.0

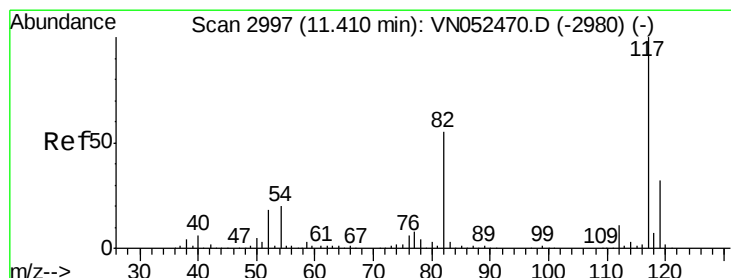
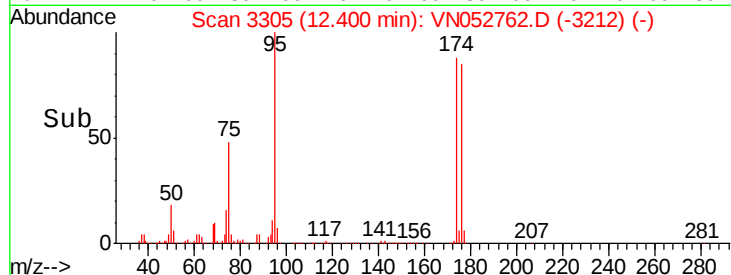
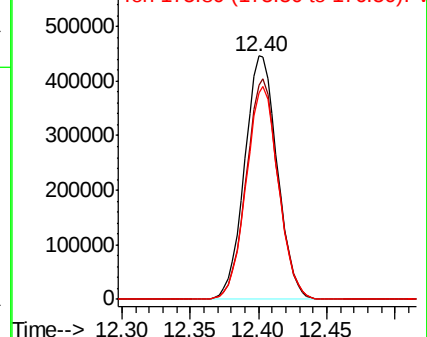
176 86.3 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052762.D (-2904) (-)

Ion 173.80 (173.50 to 174.50): VN052762.D (-2904) (-)

Ion 175.80 (175.50 to 176.50): VN052762.D (-2904) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

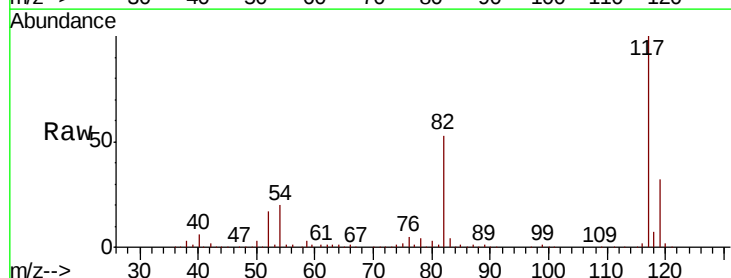
Tgt Ion: 117 Resp: 1672764

Ion Ratio Lower Upper

117 100

82 53.5 43.6 65.4

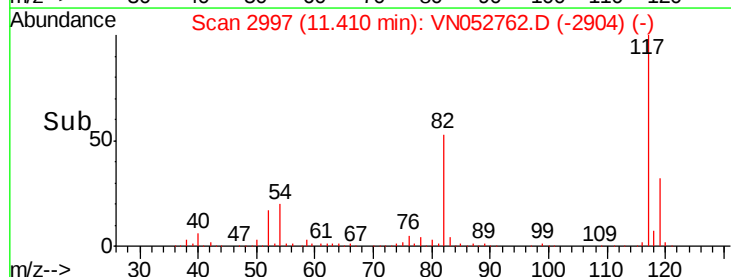
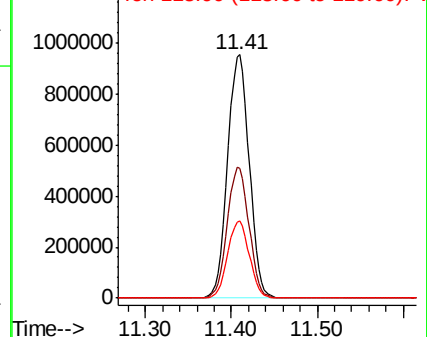
119 31.8 25.4 38.2

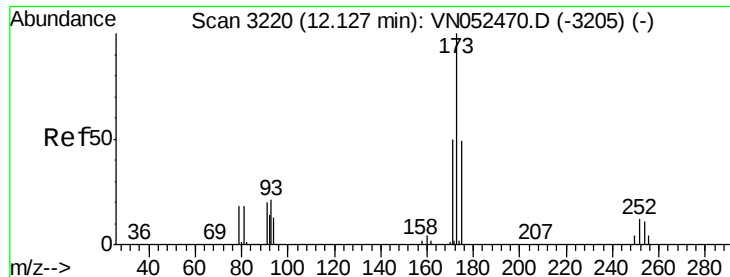


Abundance Ion 116.90 (116.60 to 117.60): VN052762.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN052762.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN052762.D (-2904) (-)





#71

Bromoform

Concen: 0.559 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

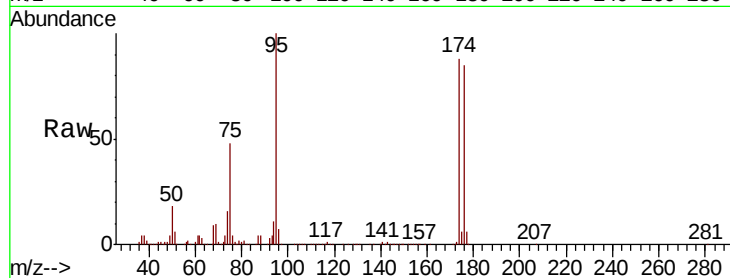
Tot Ion:173 Resp: 4442

Ion Ratio Lower Upper

173 100

175 924.4 24.4 73.2#

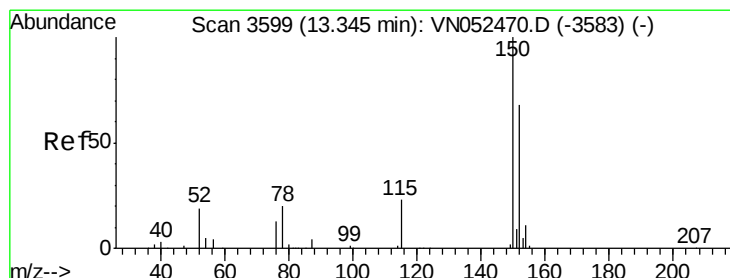
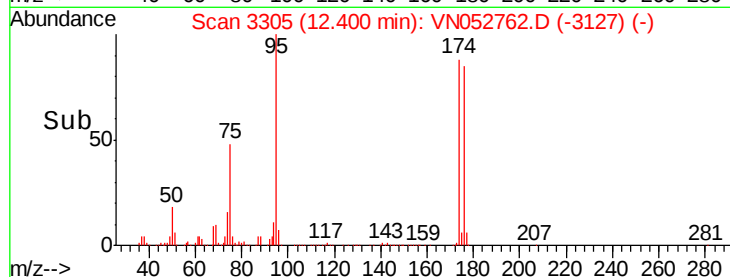
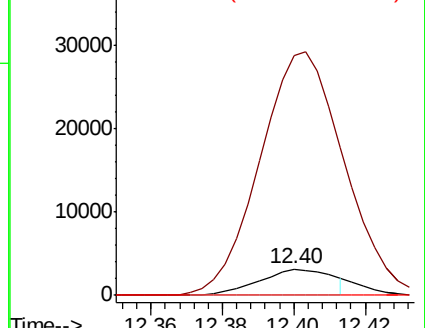
254 0.0 0.1 0.1#



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: VN052762.D

Acq: 10 Dec 2018 19:10

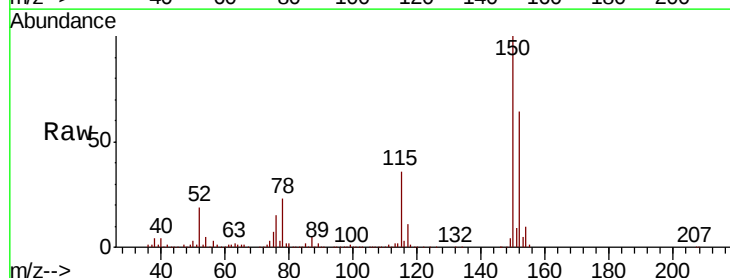
Tgt Ion:152 Resp: 683126

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

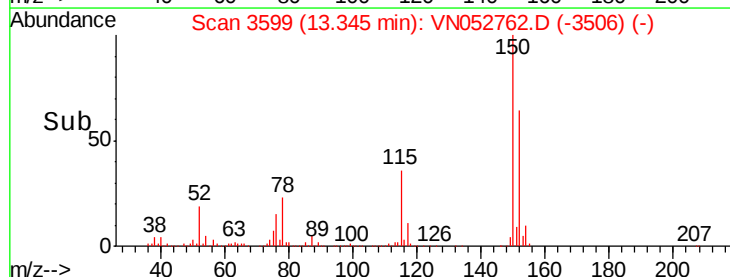
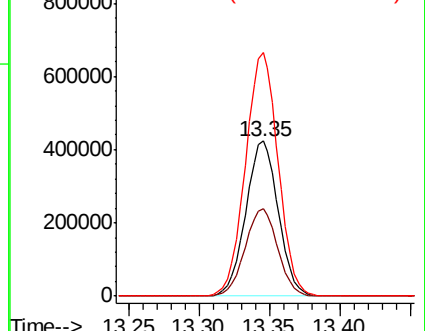
150 157.8 0.0 346.0

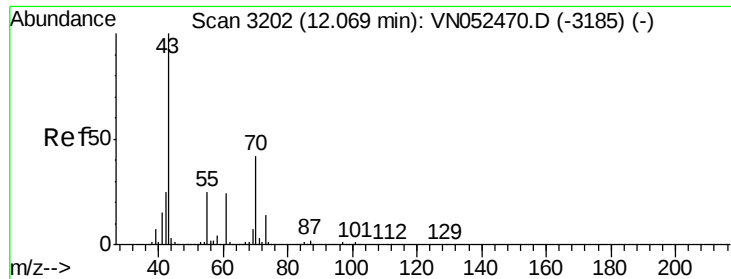


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.180 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052762.D

Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11

Tot Ion: 43 Resp: 43064

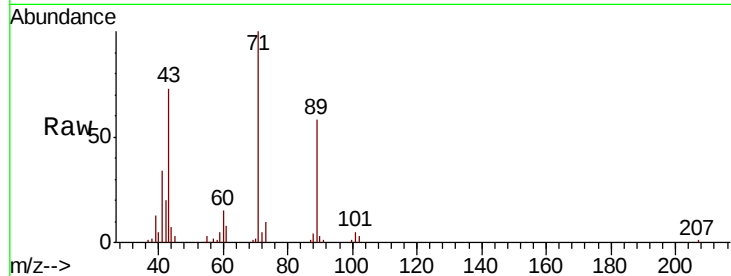
Ion Ratio Lower Upper

43 100

70 1.7 33.8 50.8#

55 4.1 20.0 30.0#

61 10.6 19.7 29.5#



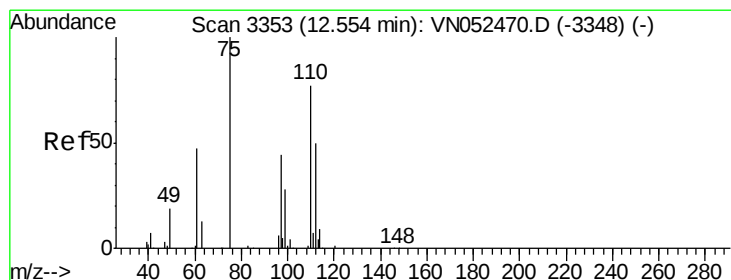
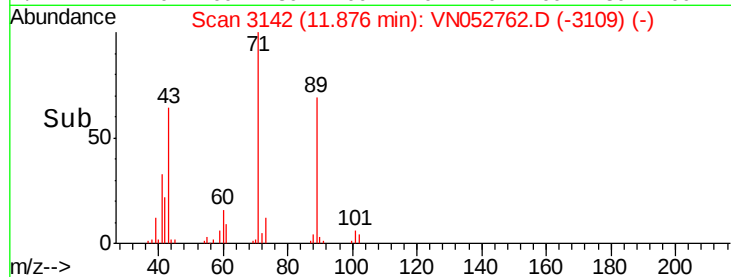
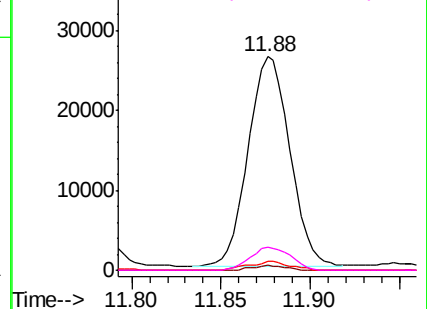
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 33.576 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052762.D

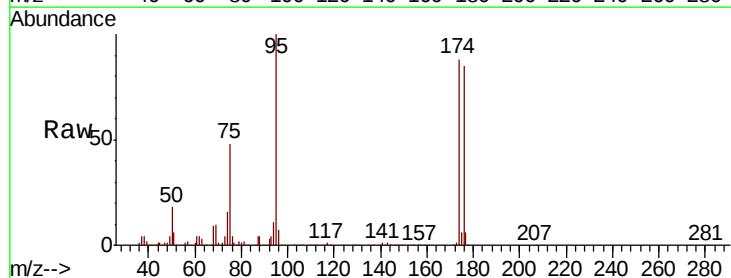
Acq: 10 Dec 2018 19:10

Tgt Ion: 75 Resp: 353694

Ion Ratio Lower Upper

75 100

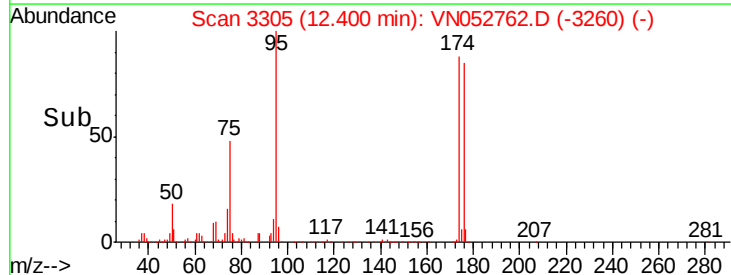
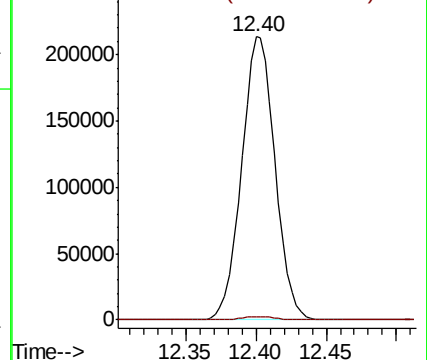
77 1.2 0.0 0.0#

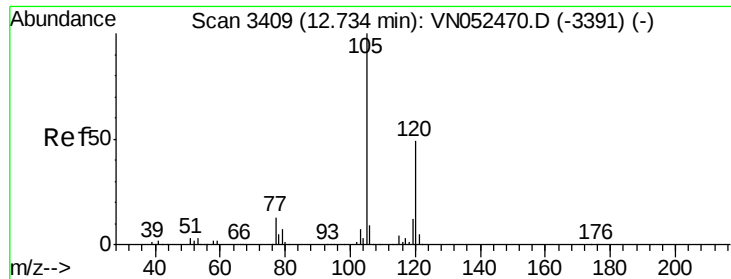


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

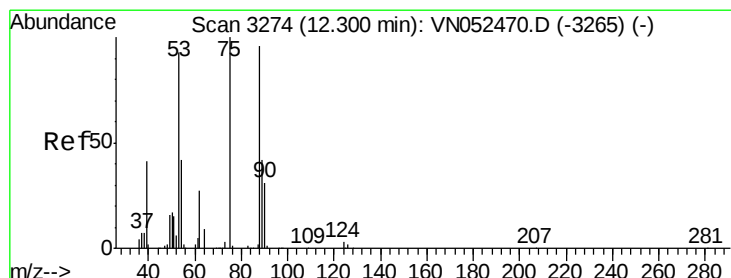
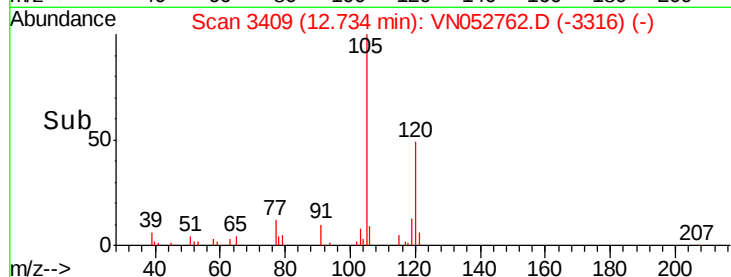
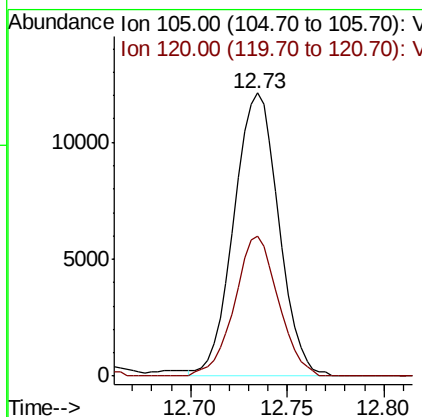
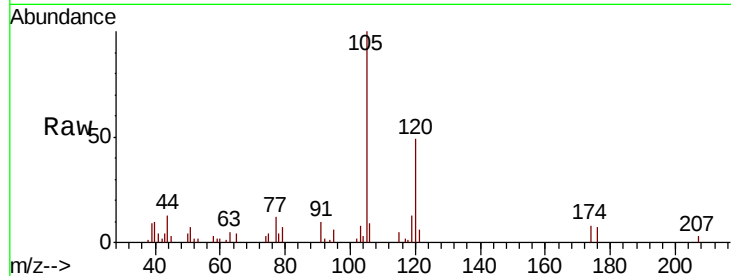




#80
 1,3,5-Trimethylbenzene
 Concen: 0.456 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052762.D
 Acq: 10 Dec 2018 19:10

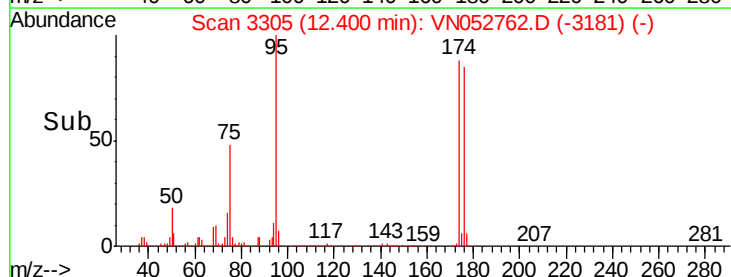
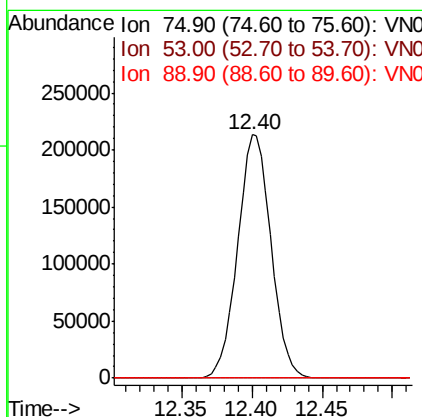
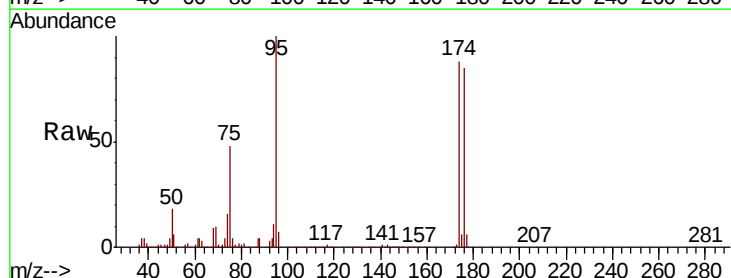
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115448ZHE#11

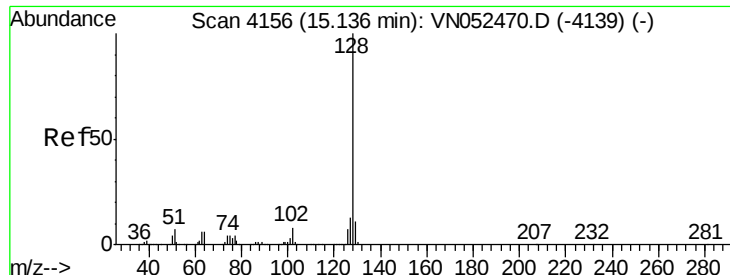
Tot Ion:105 Resp: 19511
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.127 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052762.D
 Acq: 10 Dec 2018 19:10

Tgt Ion: 75 Resp: 353694
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 3.443 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052762.D

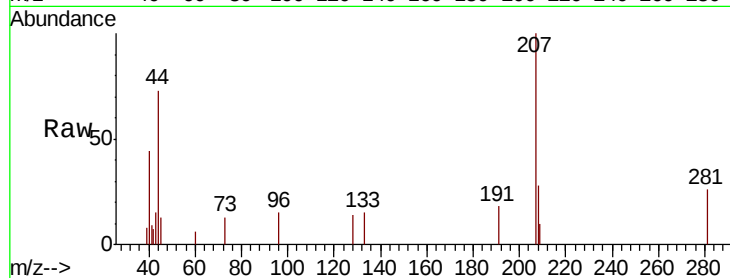
Acq: 10 Dec 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#11



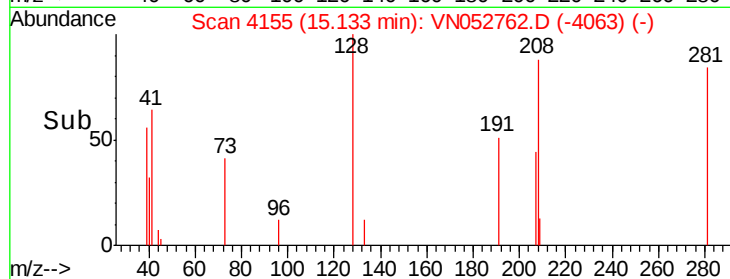
Tot Ion:128 Resp: 402

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

