

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052806.D
 Acq On : 11 Dec 2018 17:02
 Operator : MD\SY
 Sample : PB115504ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#11

Quant Time: Dec 12 00:29:39 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	1156961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1807601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1620903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	662913	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	620169	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	7.59	113	511134	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	10.09	98	2225767	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	721592	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

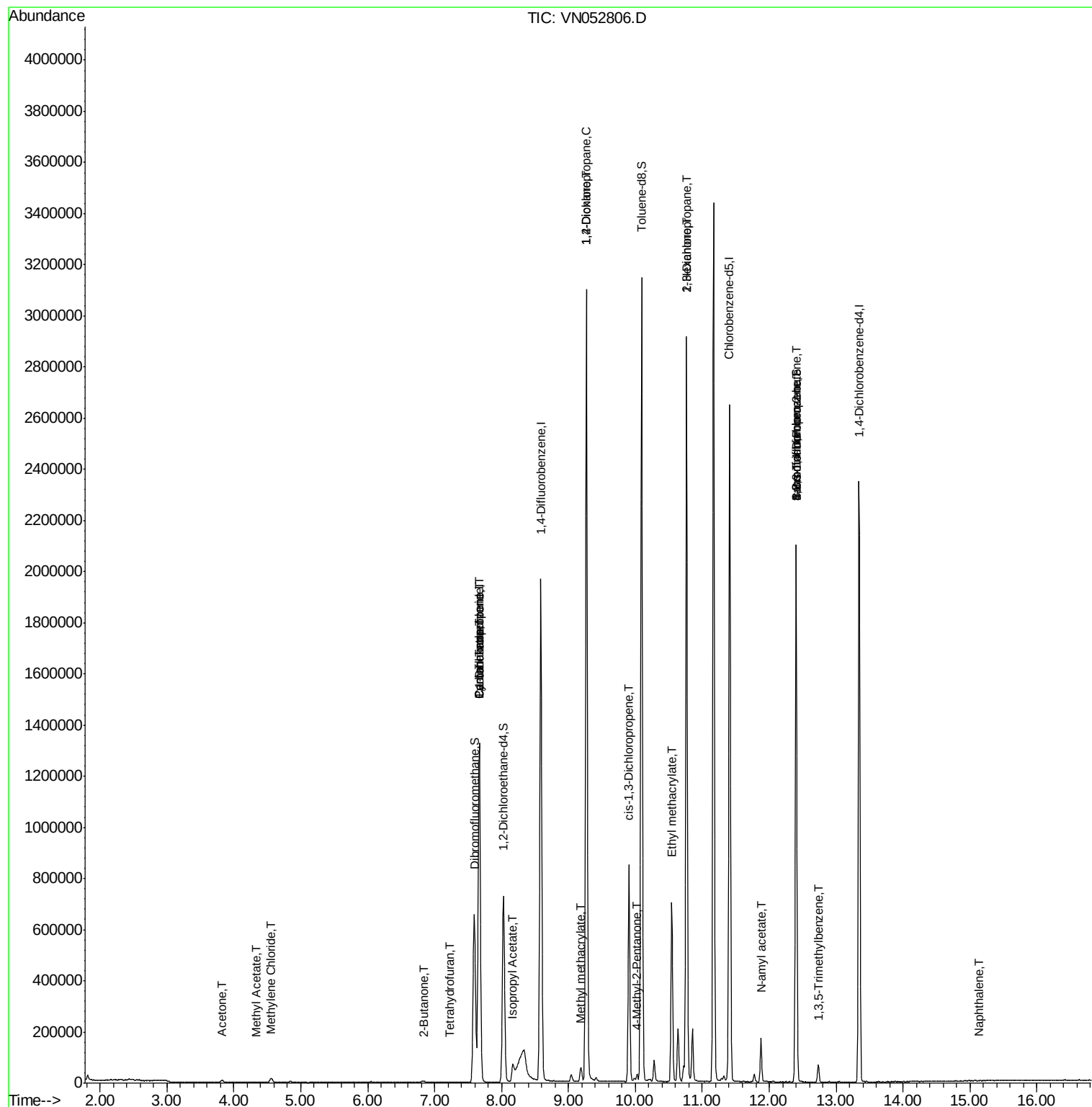
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14912	4.488	ug/l	100
18) Methyl Acetate	4.33	43	2176	0.228	ug/l #	77
20) Methylene Chloride	4.56	84	12533	0.964	ug/l	93
25) 2-Butanone	6.85	43	1737	0.369	ug/l	92
29) Tetrahydrofuran	7.22	42	2011	0.662	ug/l #	45
31) Cyclohexane	7.67	56	19253	0.526	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	78176	4.580	ug/l #	49
38) Carbon Tetrachloride	7.66	117	101260	6.553	ug/l #	16
43) Isopropyl Acetate	8.17	43	81938	4.648	ug/l #	76
45) 1,2-Dichloropropane	9.26	63	4051	0.300	ug/l #	43
48) Methyl methacrylate	9.18	41	19021	2.069	ug/l #	13
49) 1,4-Dioxane	9.27	88	373	3.910	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	22957	2.321	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	158292	8.435	ug/l #	60
56) Ethyl methacrylate	10.55	69	2030	2.823	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	31273	1.666	ug/l #	43
59) 2-Hexanone	10.76	43	410399	61.820	ug/l #	51
71) Bromoform	12.40	173	4388	0.570	ug/l #	1
74) N-amyl acetate	11.88	43	52248	3.976	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	341655	33.422	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	37855	0.913	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	341655	111.613	ug/l #	11
95) Naphthalene	15.13	128	493	3.447	ug/l #	69

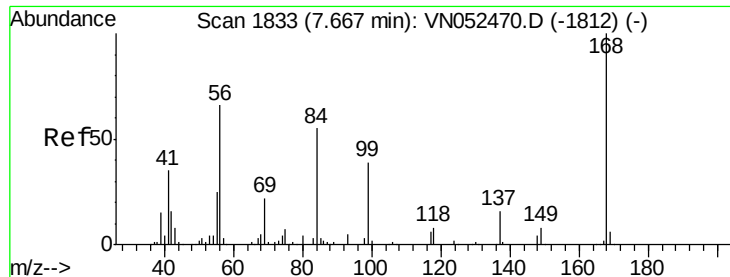
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121118\
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Quant Time: Dec 12 00:29:39 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: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

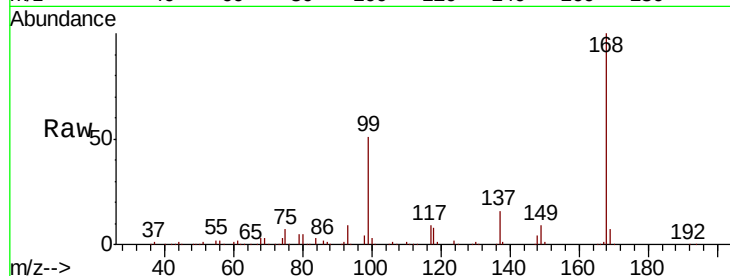
PB115504ZHE#11

Tot Ion:168 Resp: 1156961

Ion Ratio Lower Upper

168 100

99 50.9 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

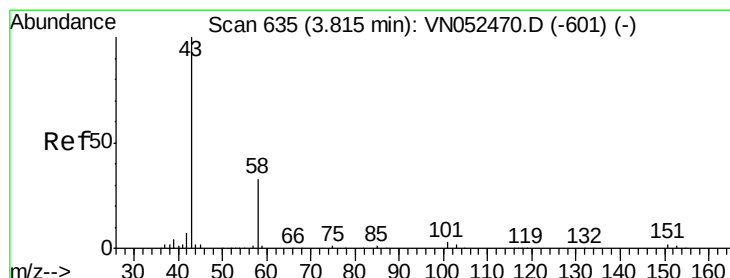
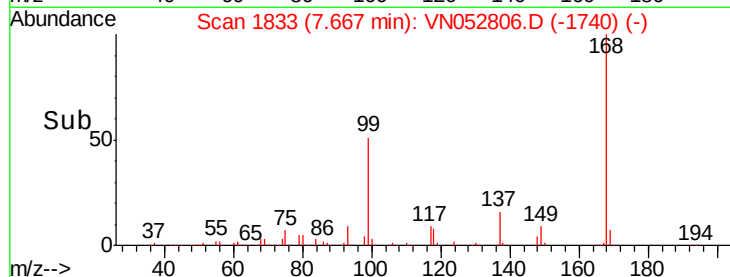
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.488 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052806.D

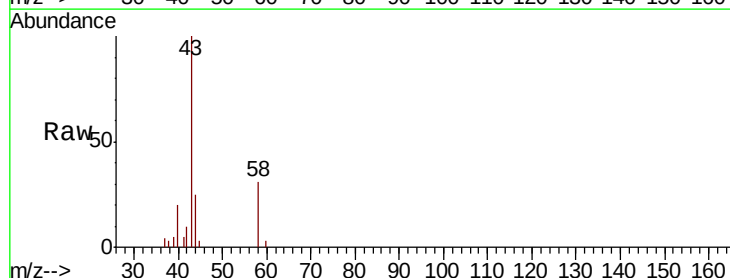
Acq: 11 Dec 2018 17:02

Tgt Ion: 43 Resp: 14912

Ion Ratio Lower Upper

43 100

58 32.7 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

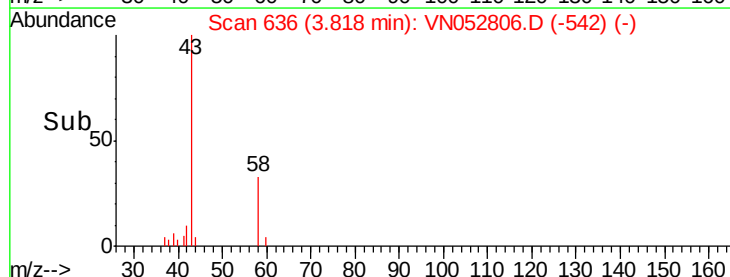
3000

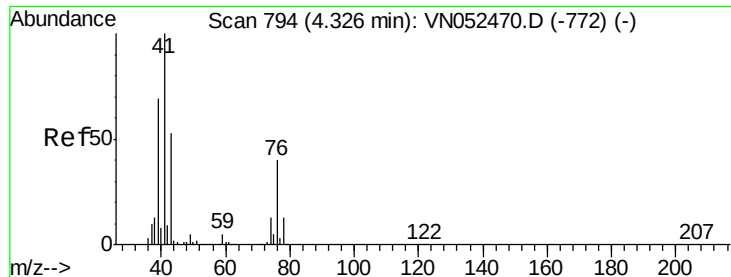
2000

1000

0

Time-->

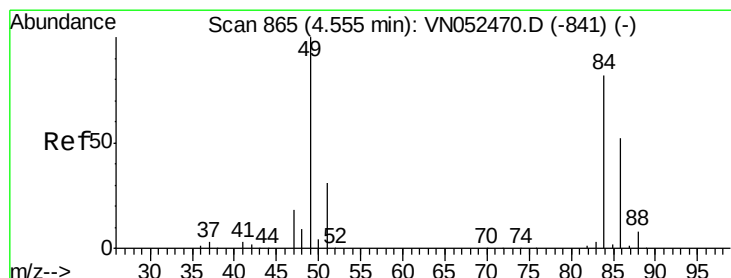
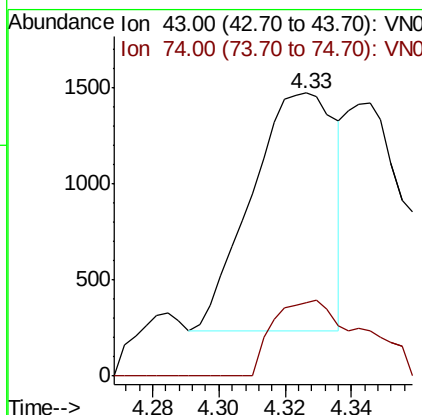
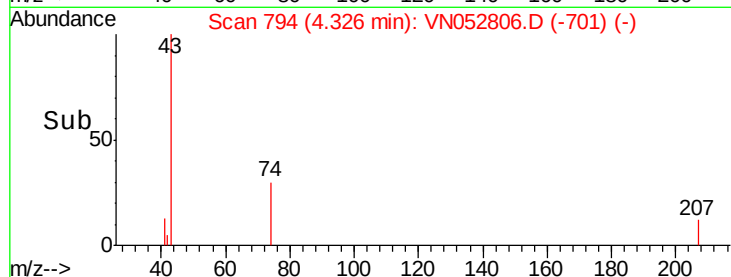
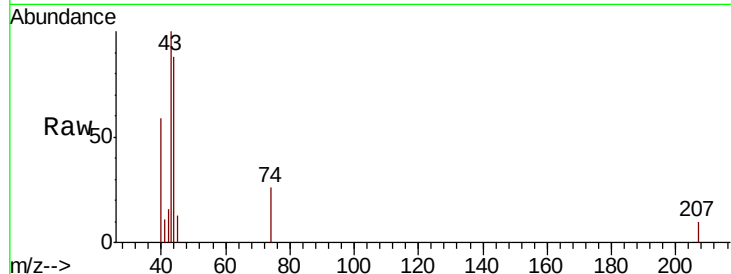




#18
Methvl Acetate
Concen: 0.228 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

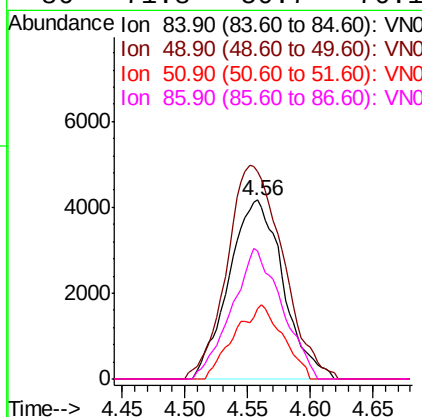
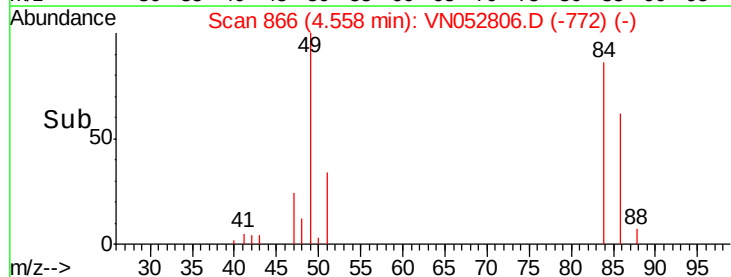
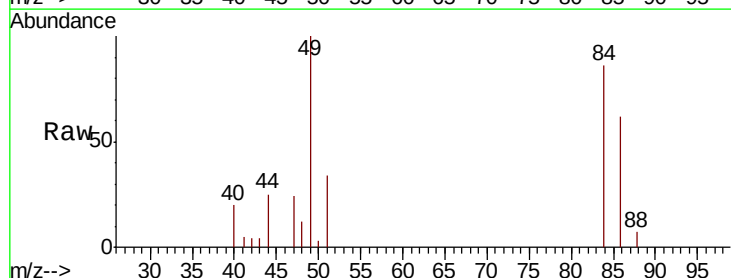
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#11

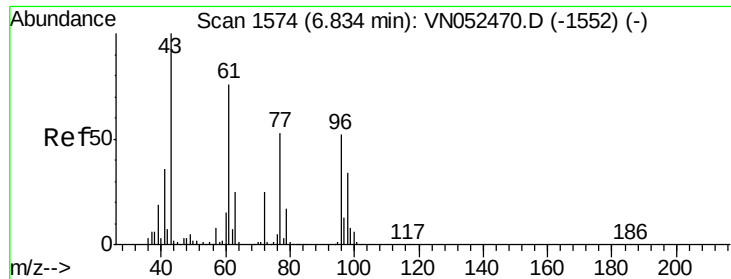
Tot Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
74 34.3 18.6 27.8#



#20
Methylene Chloride
Concen: 0.964 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

Tgt Ion: 84 Resp: 12533
Ion Ratio Lower Upper
84 100
49 116.0 98.0 147.0
51 39.5 30.1 45.1
86 71.8 50.7 76.1

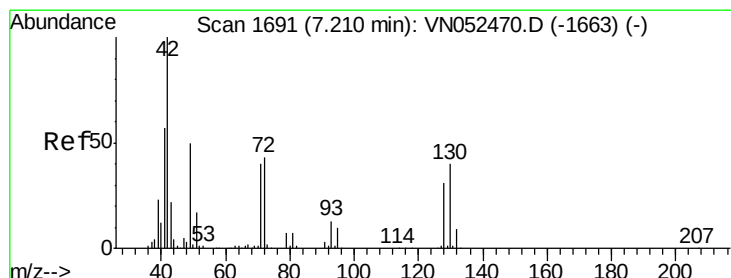
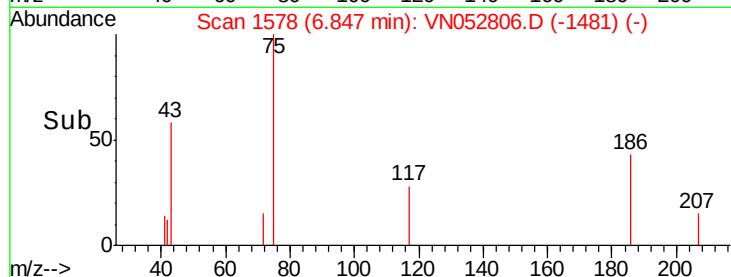
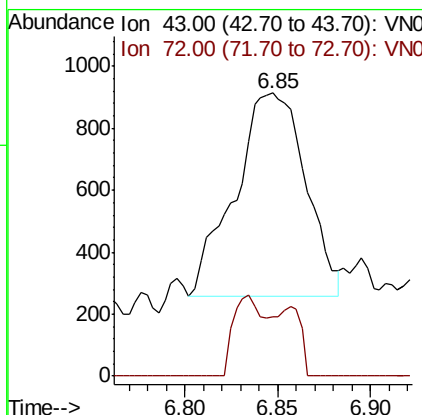
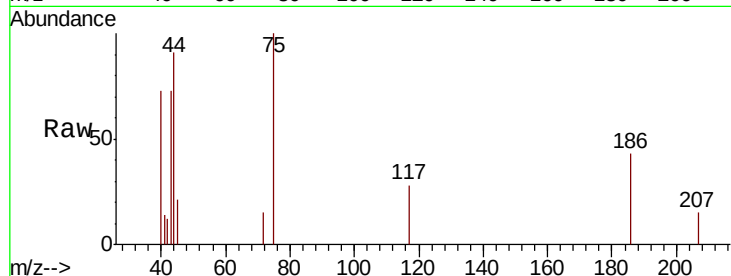




#25
2-Butanone
Concen: 0.369 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

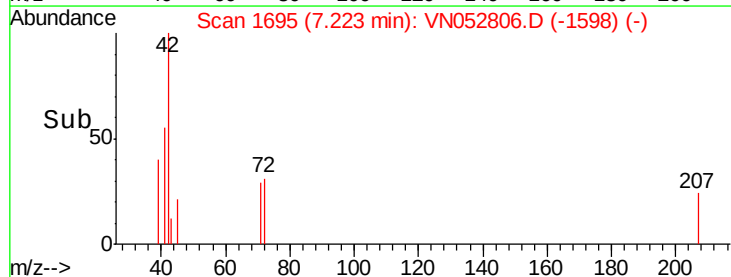
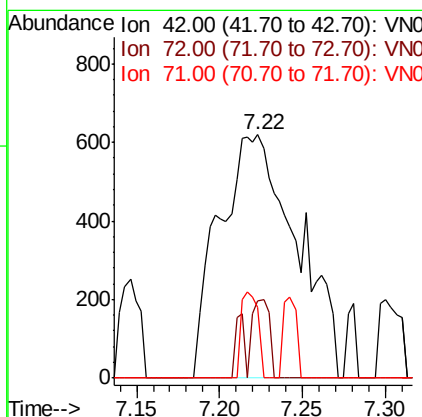
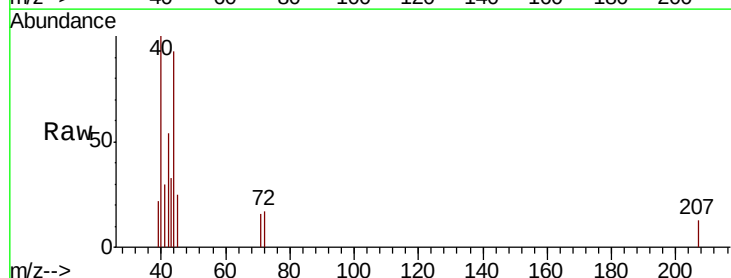
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#11

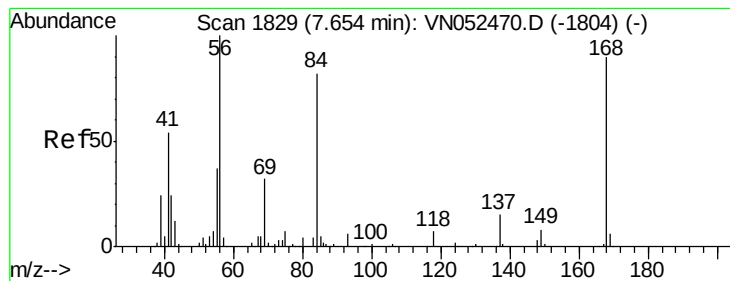
Tot Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
72 29.2 20.1 30.1



#29
Tetrahydrofuran
Concen: 0.662 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

Tgt Ion: 42 Resp: 2011
Ion Ratio Lower Upper
42 100
72 7.0 33.3 49.9#
71 5.5 32.0 48.0#





#31

Cyclohexane

Concen: 0.526 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

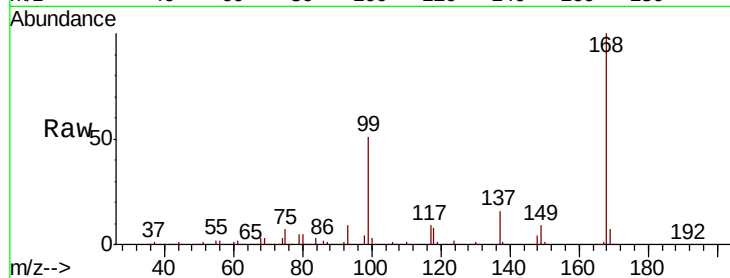
Tot Ion: 56 Resp: 19253

Ion Ratio Lower Upper

56 100

69 203.8 25.8 38.6#

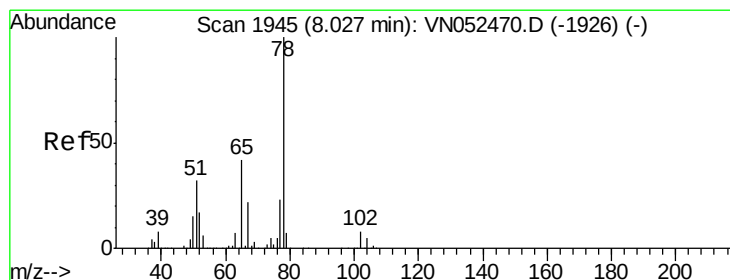
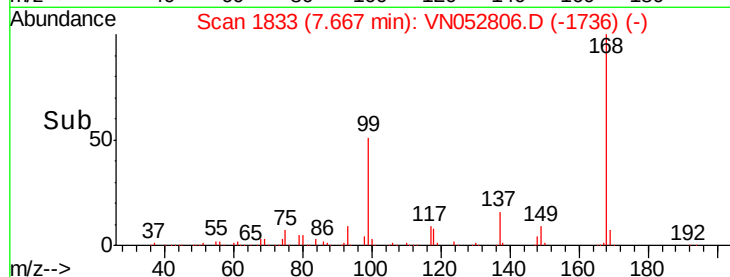
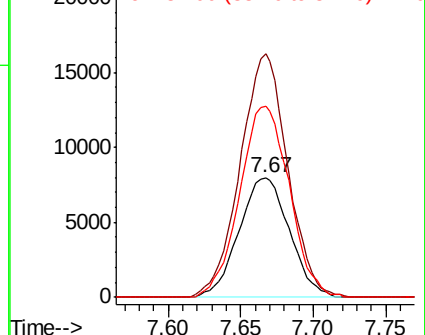
84 160.4 65.3 97.9#



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: VN052806.D

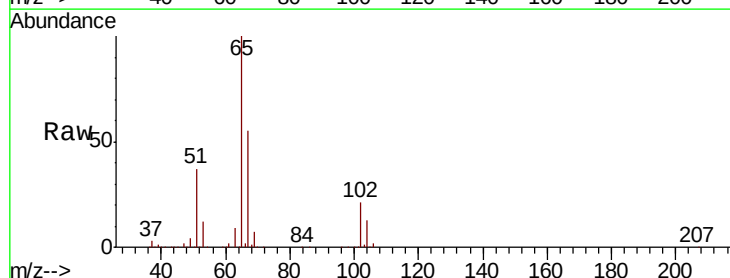
Acq: 11 Dec 2018 17:02

Tgt Ion: 65 Resp: 620169

Ion Ratio Lower Upper

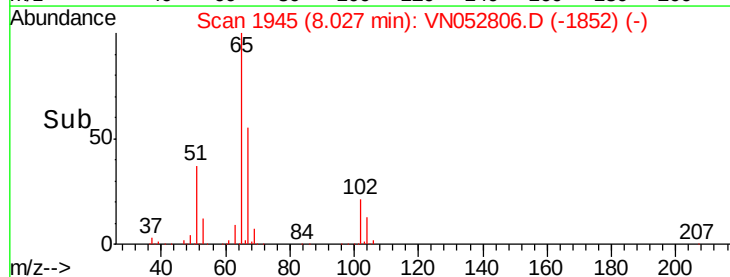
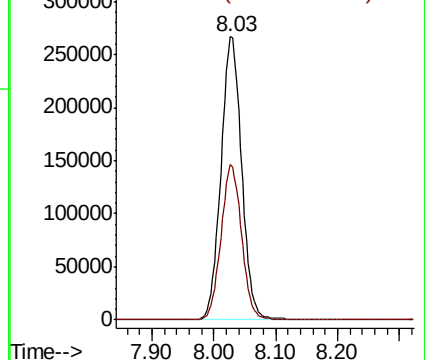
65 100

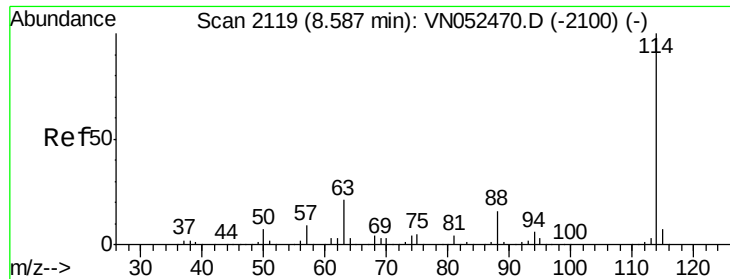
67 54.5 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

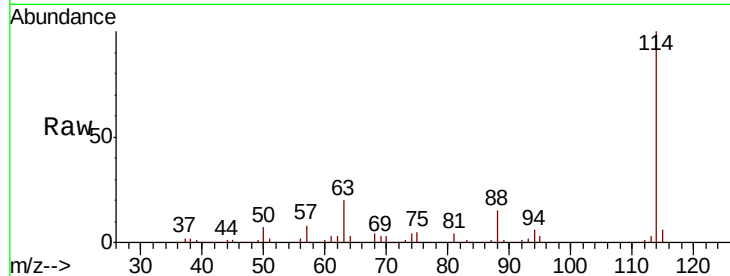




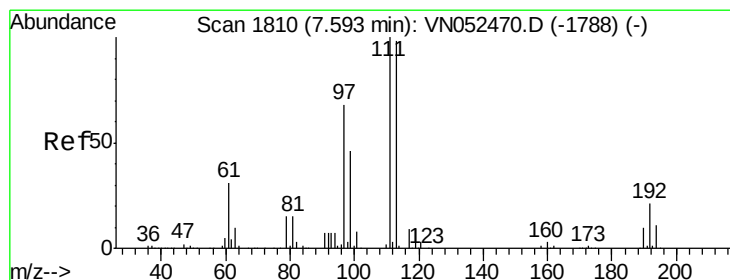
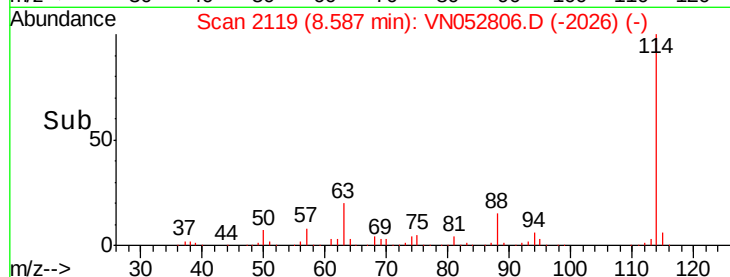
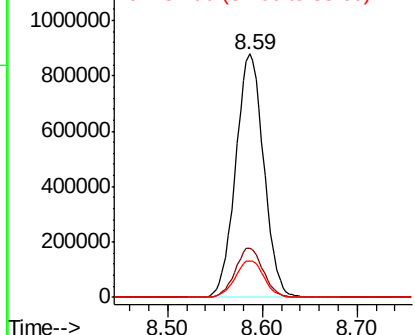
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#11

Tot Ion:114 Resp: 1807601
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.8
88 15.1 0.0 31.6

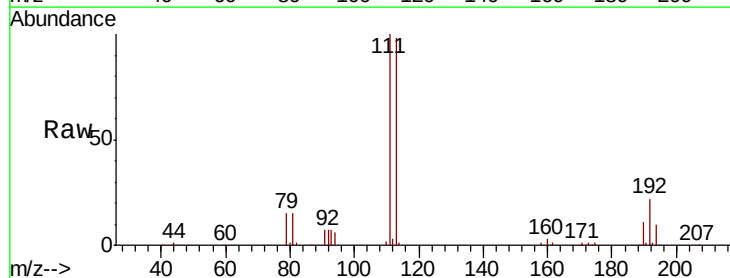


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

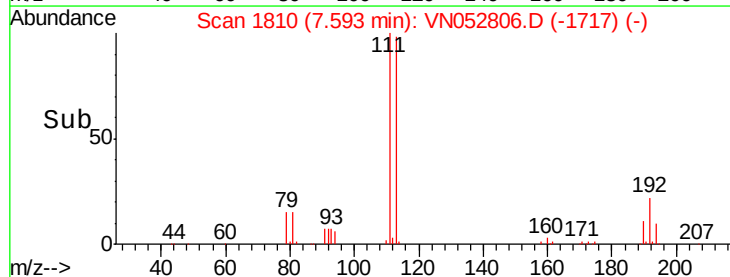
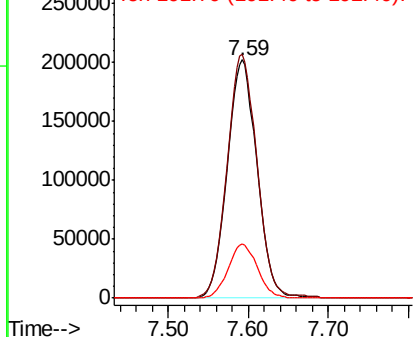


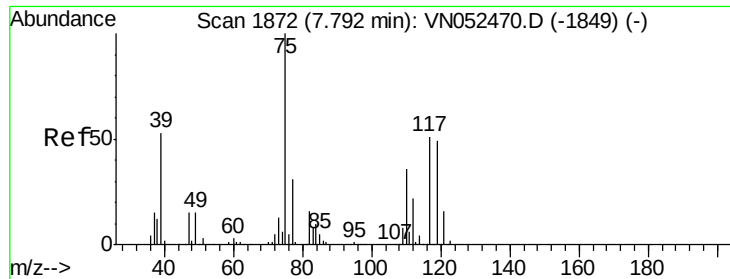
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

Tgt Ion:113 Resp: 511134
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 22.3 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

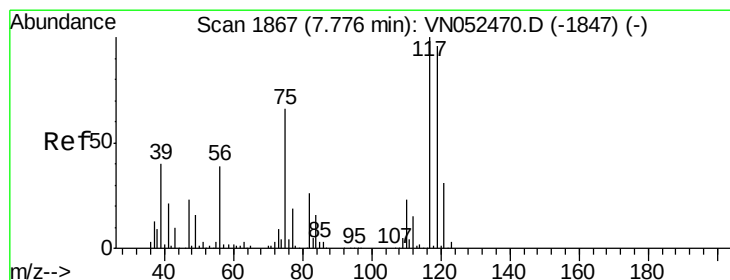
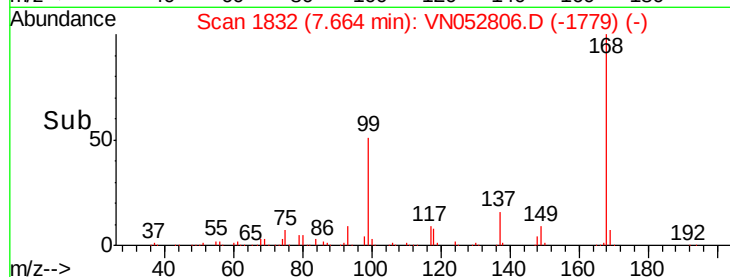
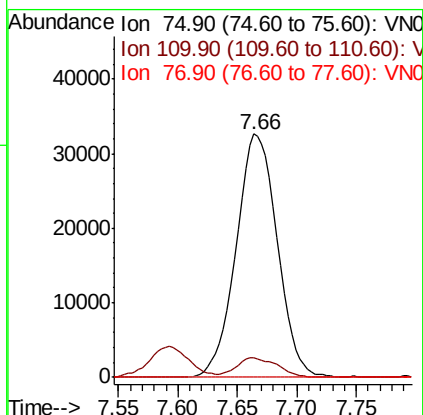
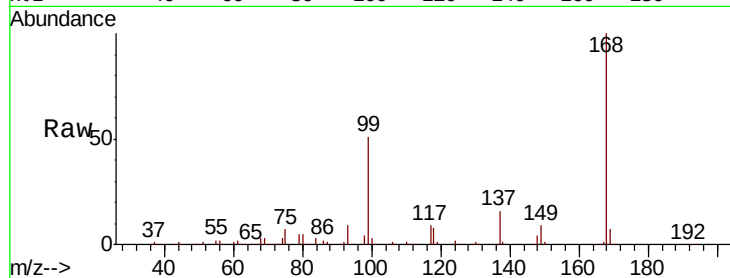




#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

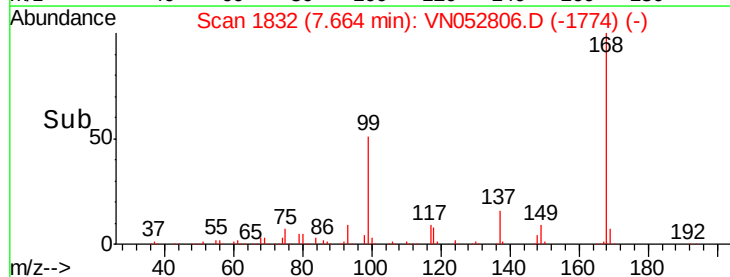
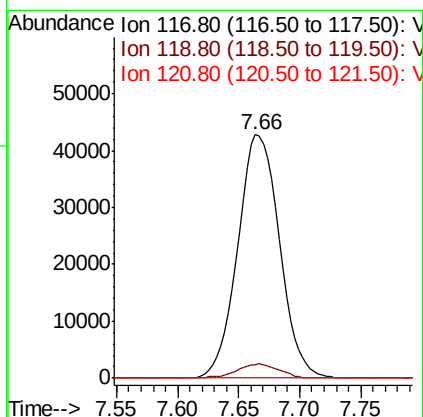
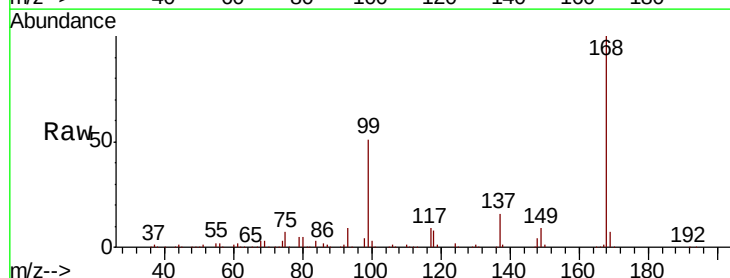
Instrument :
 MSVOA_N
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 PB115504ZHE#11

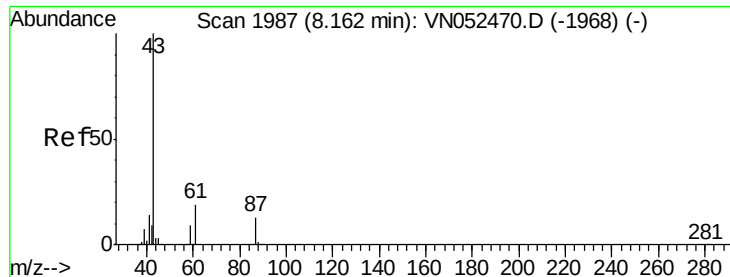
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 4.648 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

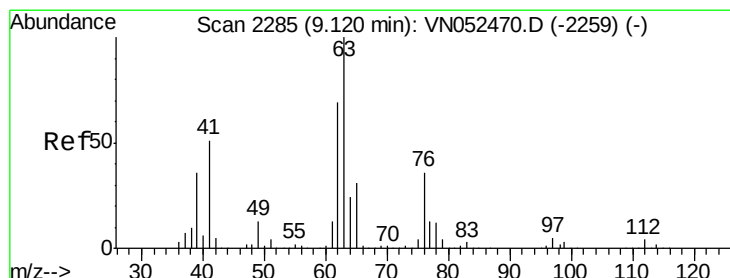
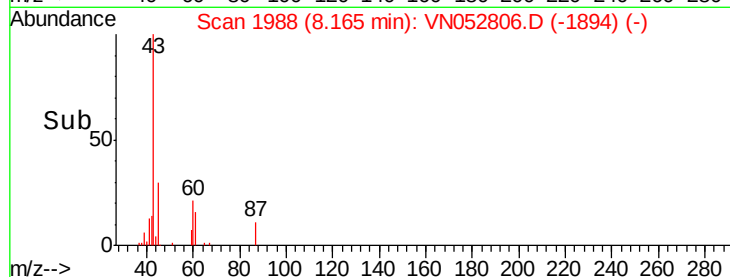
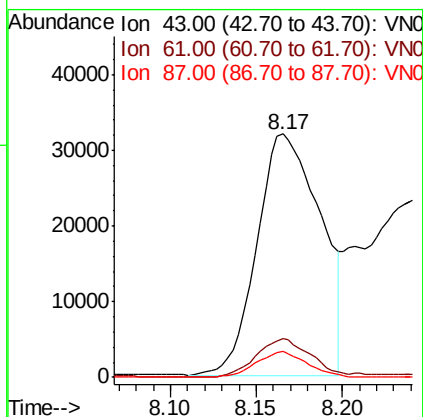
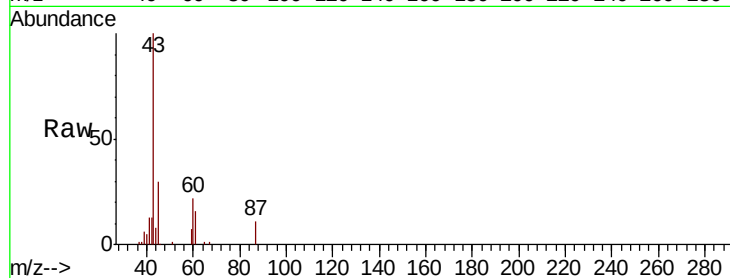
Tot Ion: 43 Resp: 81938

Ion Ratio Lower Upper

43 100

61 14.3 24.1 36.1#

87 8.5 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.300 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN052806.D

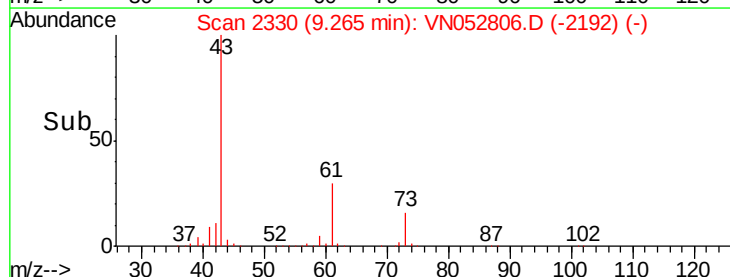
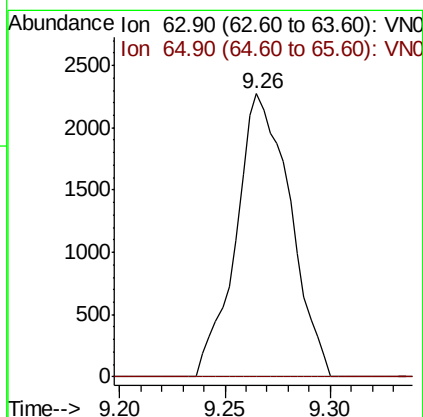
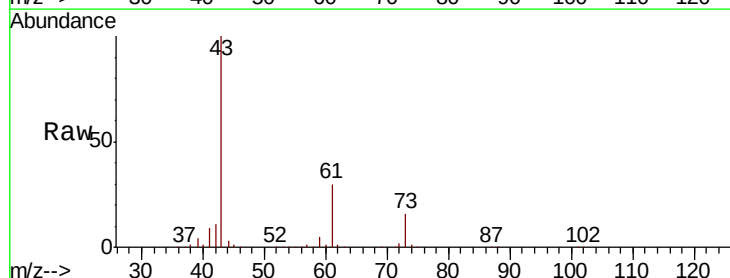
Acq: 11 Dec 2018 17:02

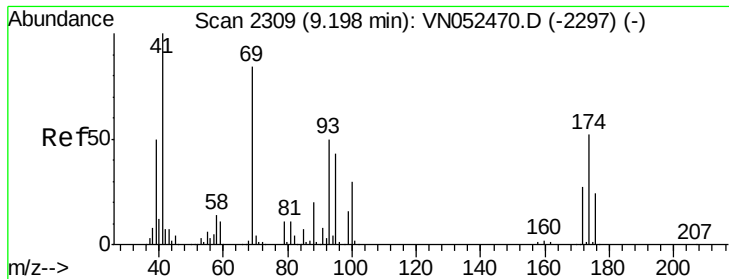
Tgt Ion: 63 Resp: 4051

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#





#48

Methvl methacrylate

Concen: 2.069 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

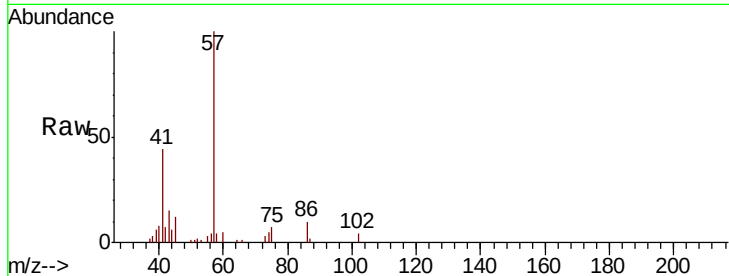
Tot Ion: 41 Resp: 19021

Ion Ratio Lower Upper

41 100

69 0.0 70.0 105.0#

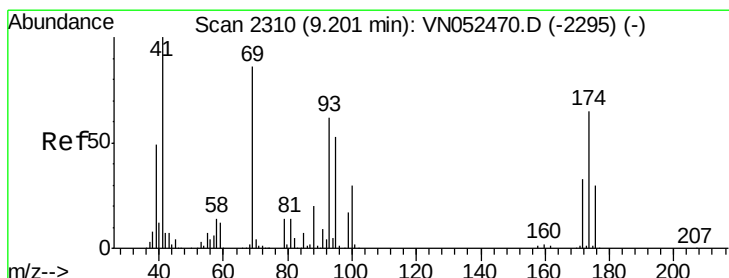
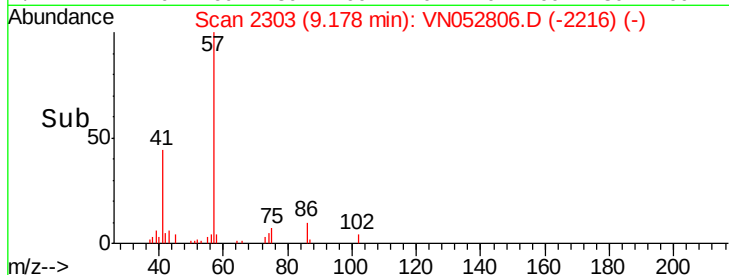
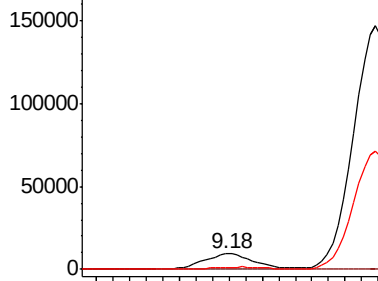
39 0.0 42.6 64.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 3.910 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

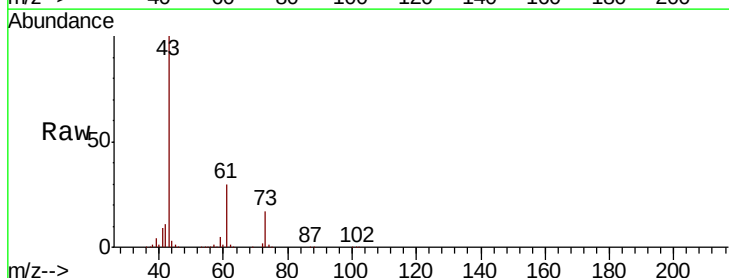
Tgt Ion: 88 Resp: 373

Ion Ratio Lower Upper

88 100

43 808286.9 26.4 39.6#

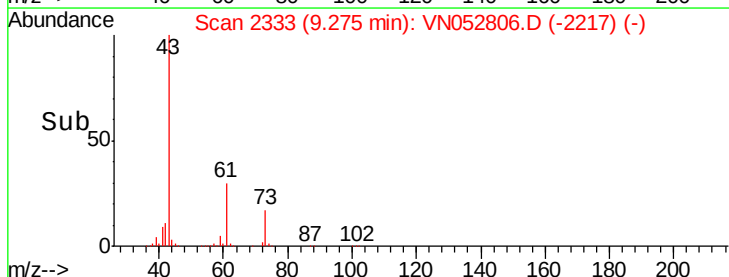
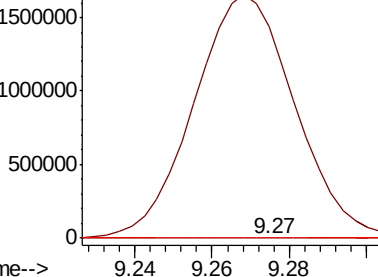
58 3593.3 55.4 83.0#

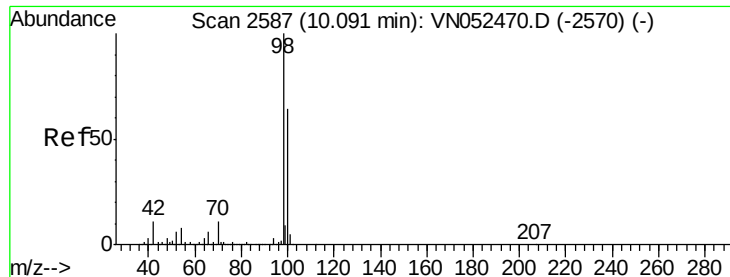


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 3.910 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

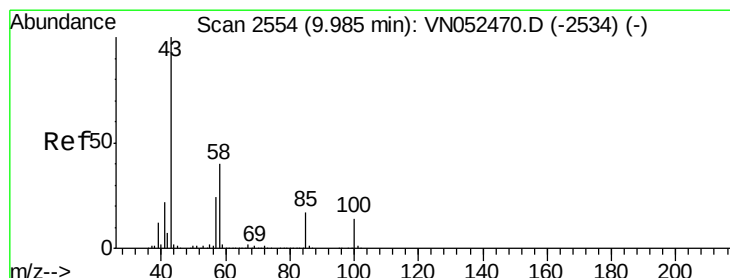
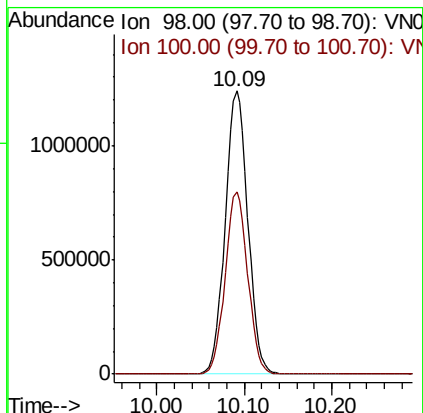
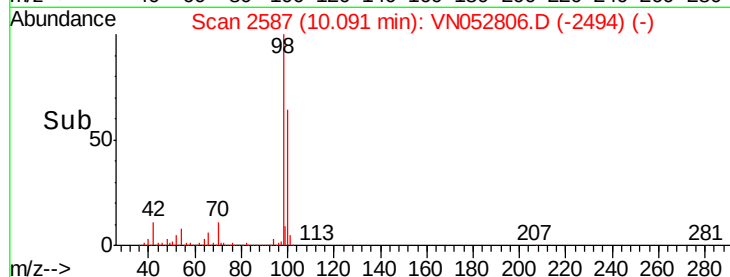
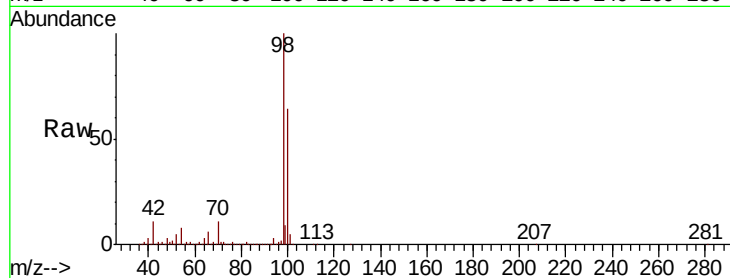
PB115504ZHE#11

Tot Ion: 98 Resp: 2225767

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 2.321 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052806.D

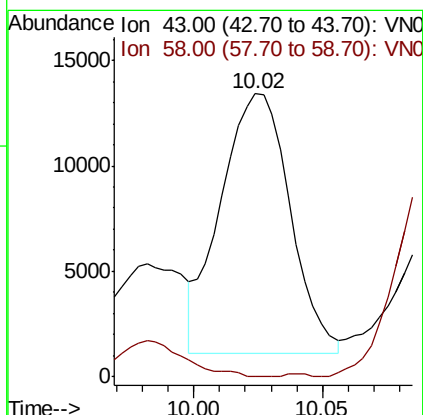
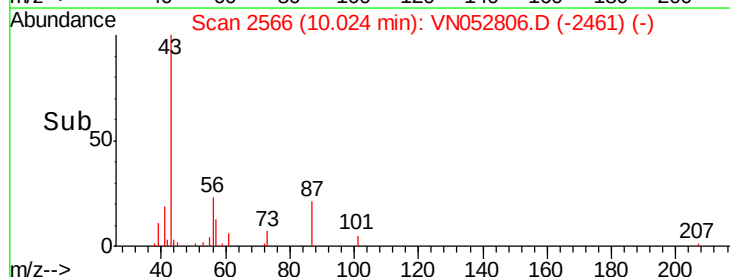
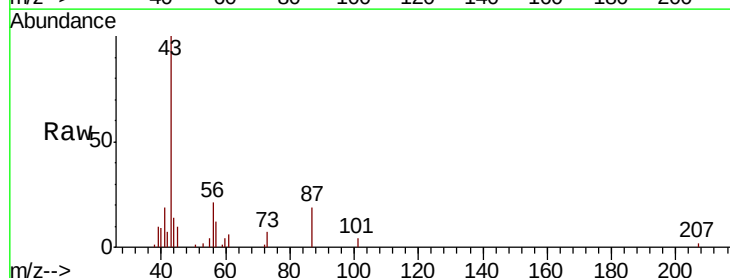
Acq: 11 Dec 2018 17:02

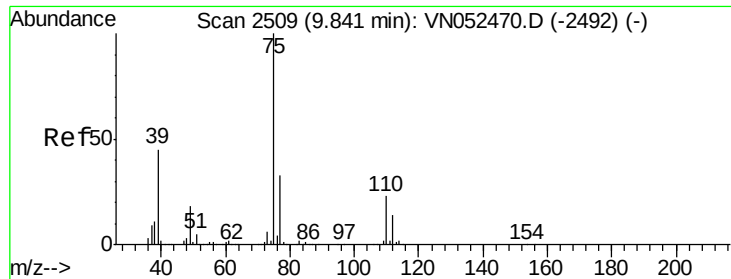
Tgt Ion: 43 Resp: 22957

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 8.435 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

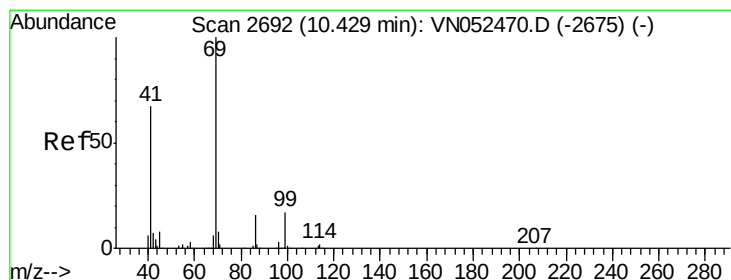
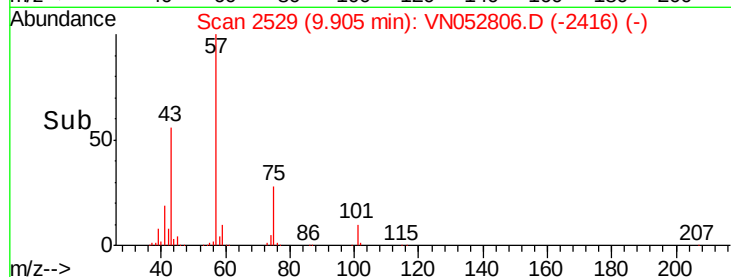
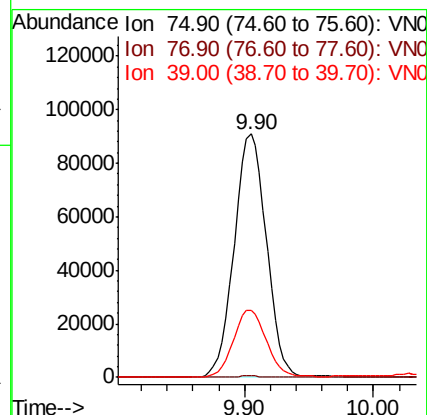
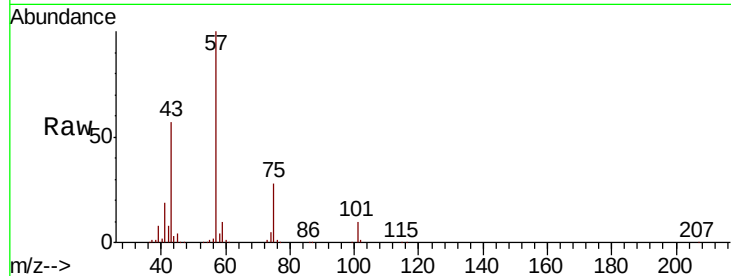
Tot Ion: 75 Resp: 158292

Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 27.5 36.0 54.0#



#56

Ethyl methacrylate

Concen: 2.823 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

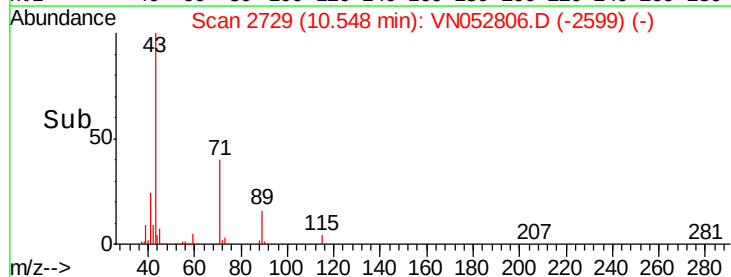
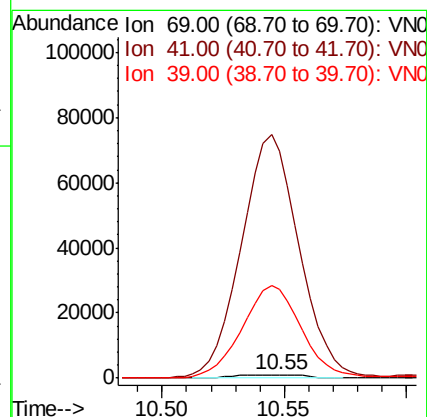
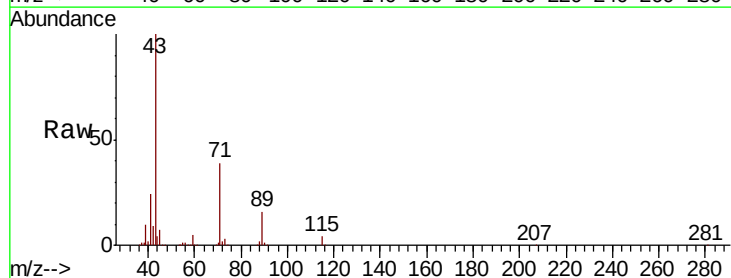
Tgt Ion: 69 Resp: 2030

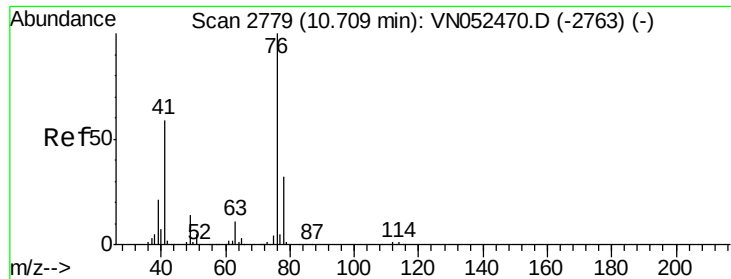
Ion Ratio Lower Upper

69 100

41 6043.0 52.6 79.0#

39 2366.1 25.9 38.9#

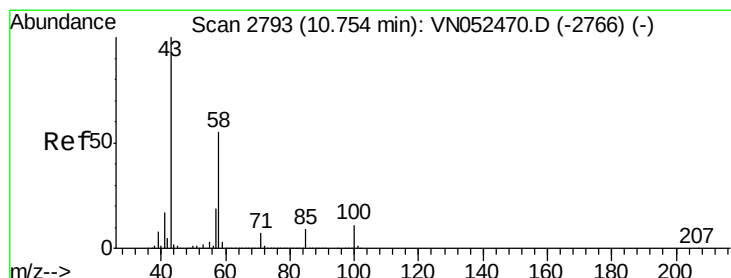
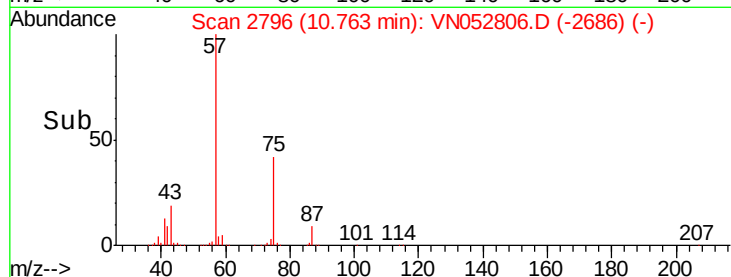
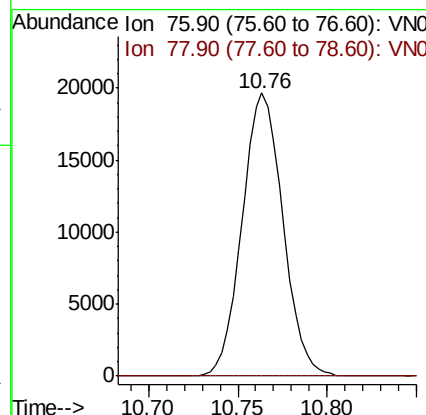
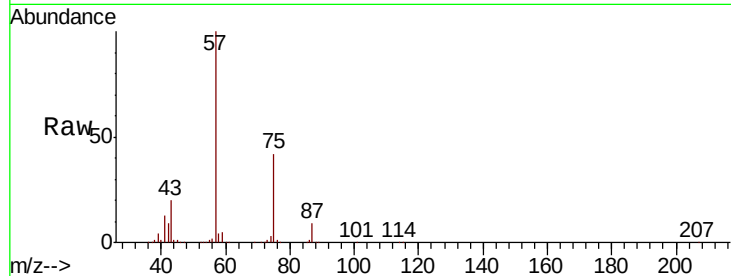




#57
 1,3-Dichloropropane
 Concen: 1.666 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

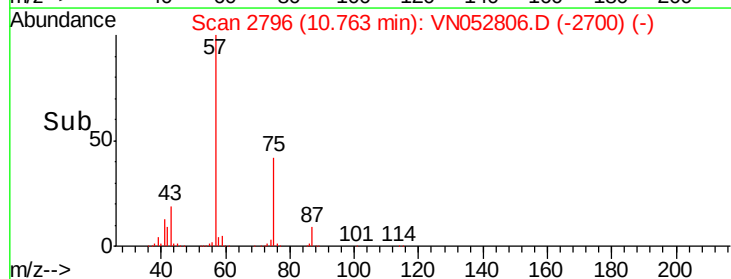
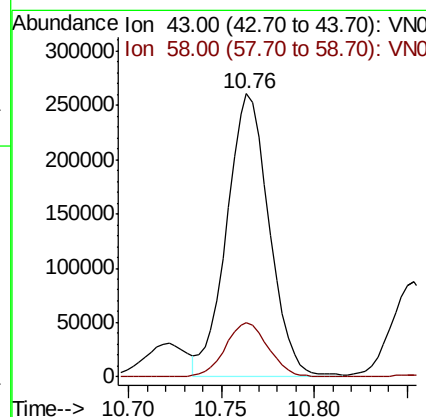
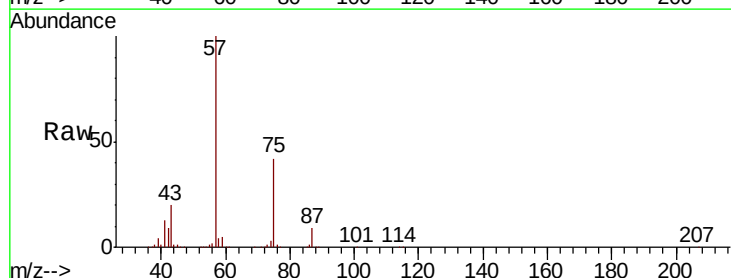
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#11

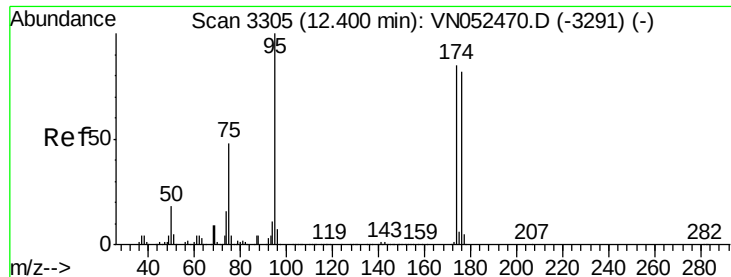
Tot Ion: 76 Resp: 31273
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 61.820 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

Tgt Ion: 43 Resp: 410399
 Ion Ratio Lower Upper
 43 100
 58 19.5 27.4 82.0#

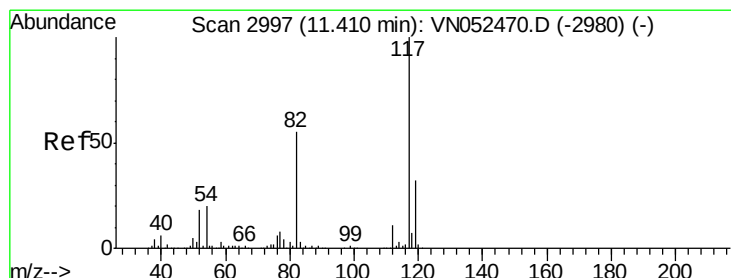
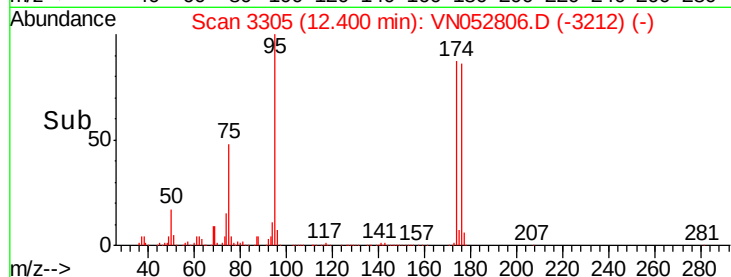
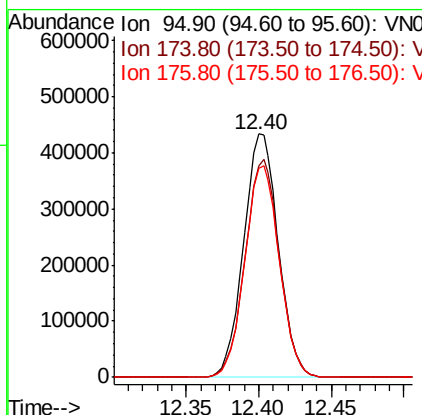
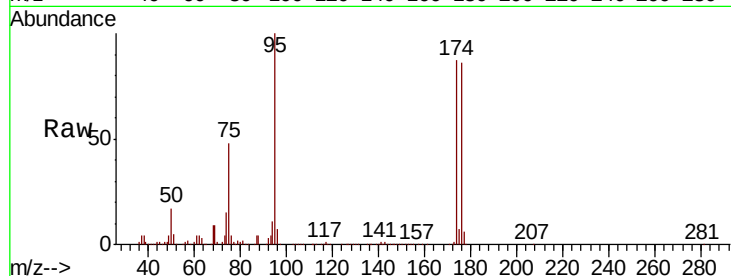




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

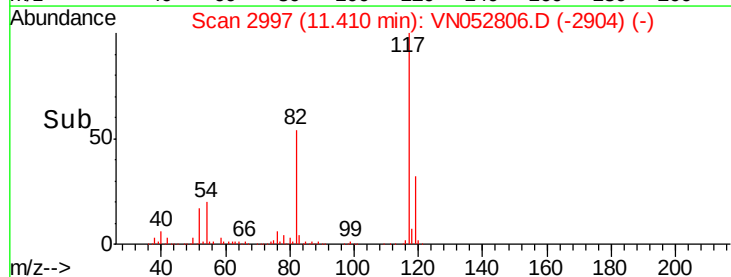
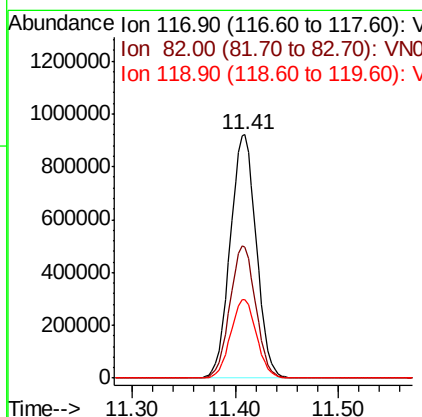
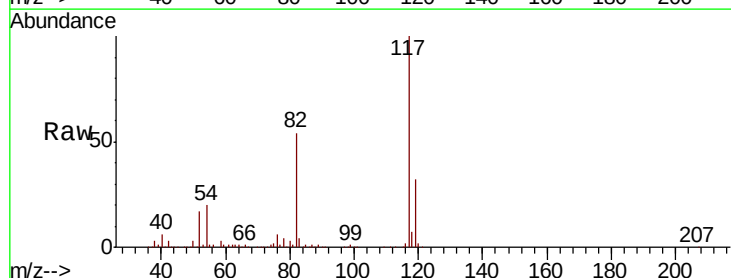
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#11

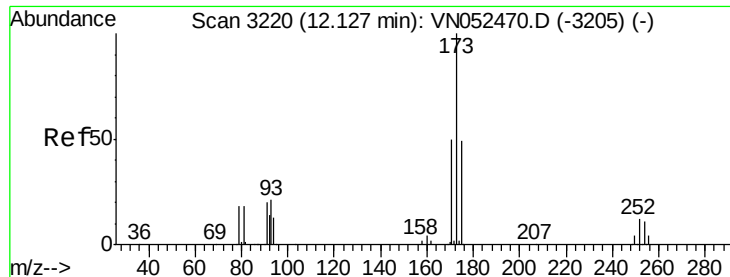
Tot Ion: 95 Resp: 721592
Ion Ratio Lower Upper
95 100
174 88.8 0.0 173.0
176 86.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052806.D
Acq: 11 Dec 2018 17:02

Tgt Ion: 117 Resp: 1620903
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 32.3 25.4 38.2





#71

Bromoform

Concen: 0.570 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

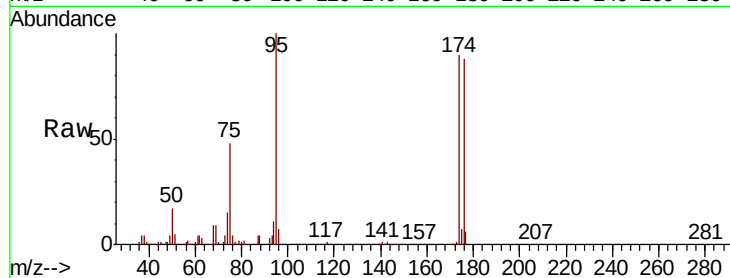
Tot Ion:173 Resp: 4388

Ion Ratio Lower Upper

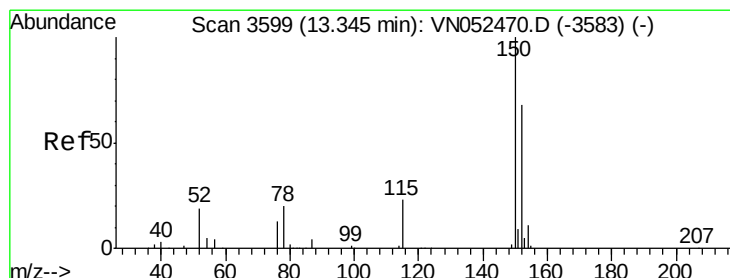
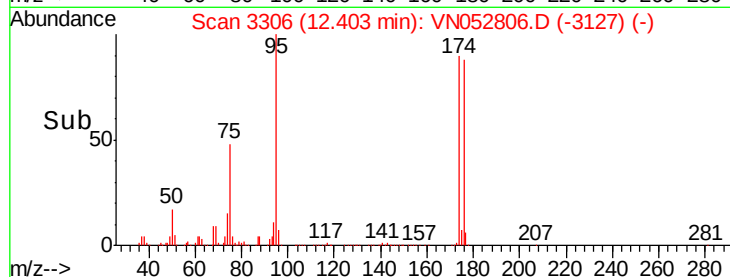
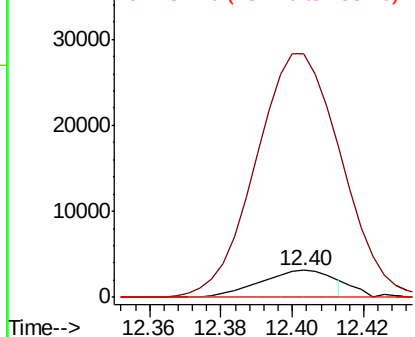
173 100

175 936.7 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: VN052806.D

Acq: 11 Dec 2018 17:02

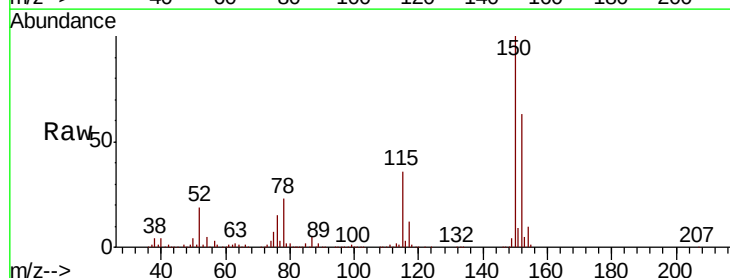
Tgt Ion:152 Resp: 662913

Ion Ratio Lower Upper

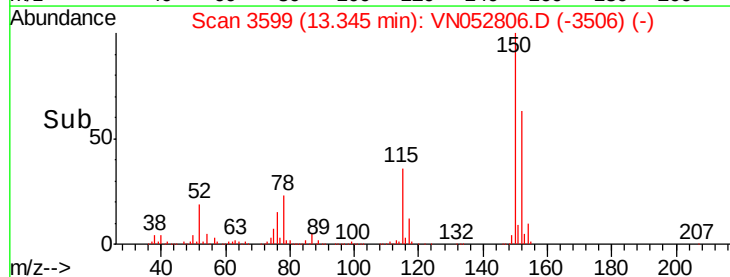
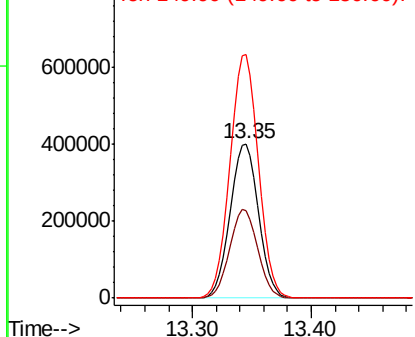
152 100

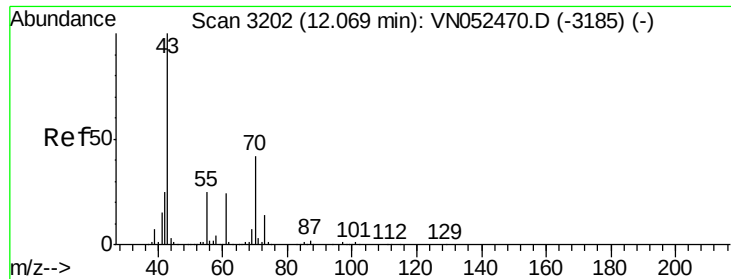
115 57.0 28.4 85.2

150 157.7 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: 3.976 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

Tot Ion: 43 Resp: 52248

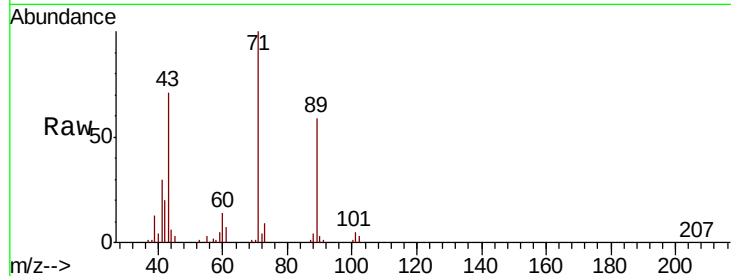
Ion Ratio Lower Upper

43 100

70 1.9 33.8 50.8#

55 4.5 20.0 30.0#

61 10.2 19.7 29.5#



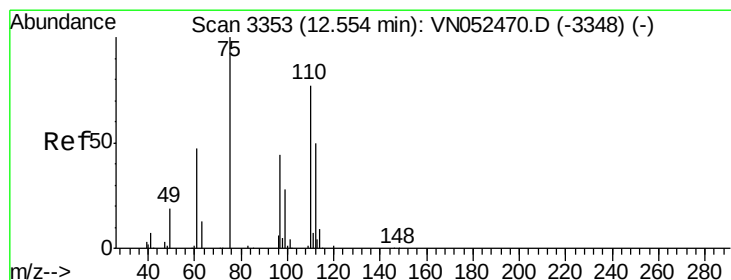
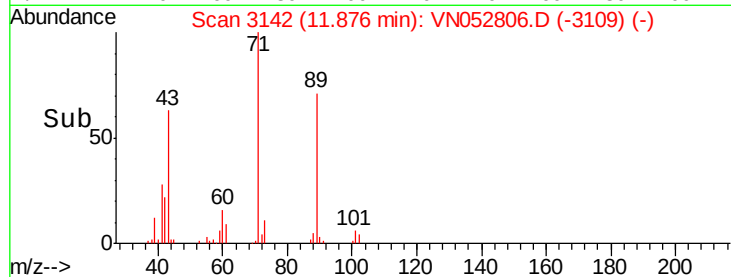
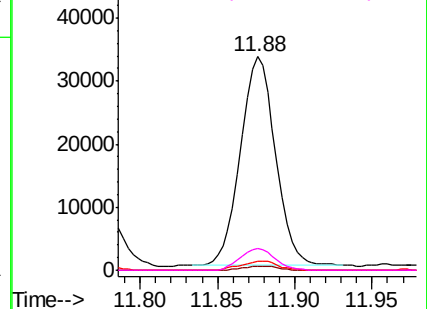
Abundance

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: 33.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052806.D

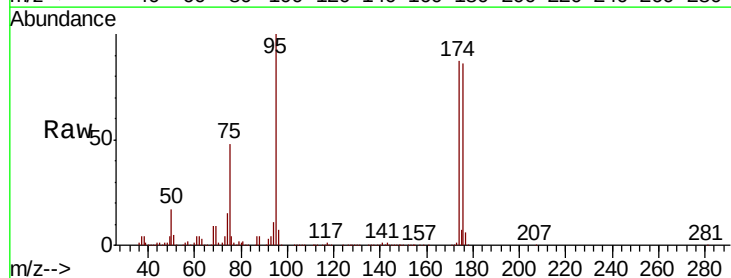
Acq: 11 Dec 2018 17:02

Tgt Ion: 75 Resp: 341655

Ion Ratio Lower Upper

75 100

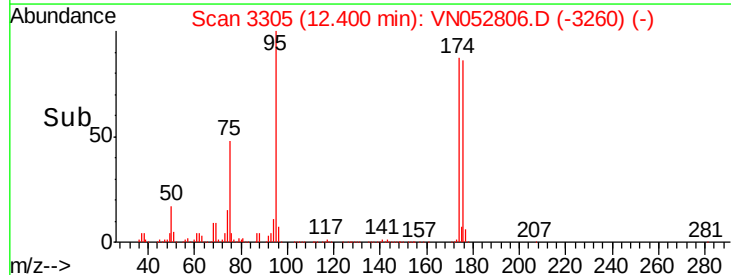
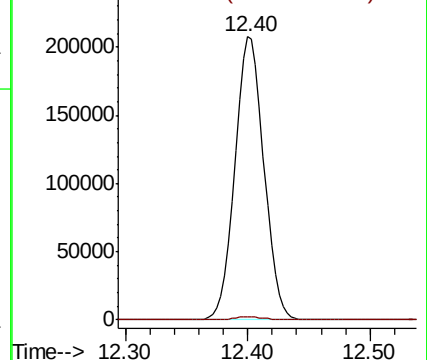
77 1.2 0.0 0.0#

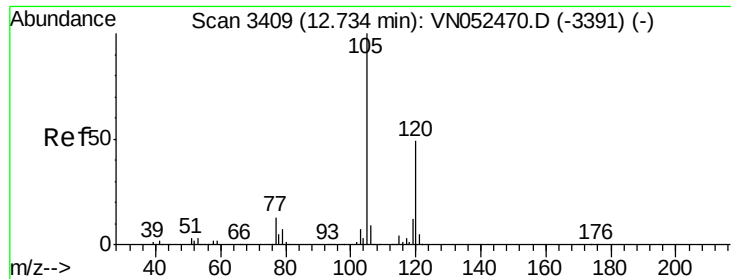


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

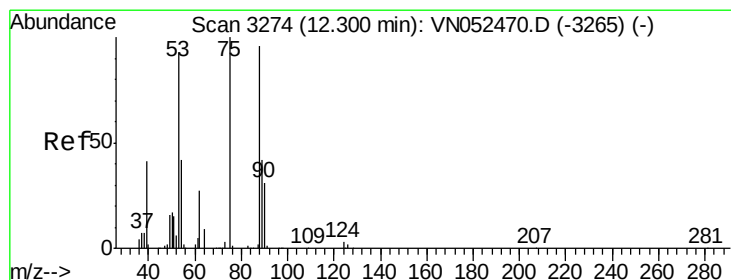
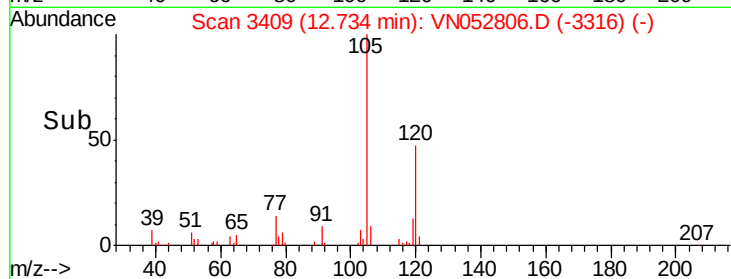
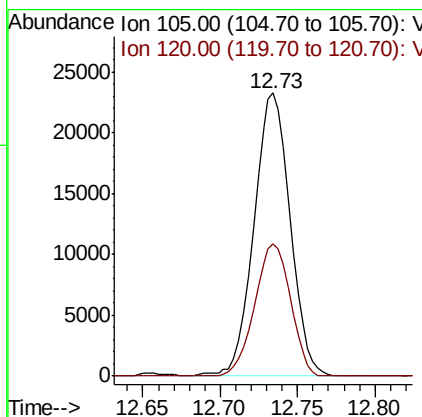
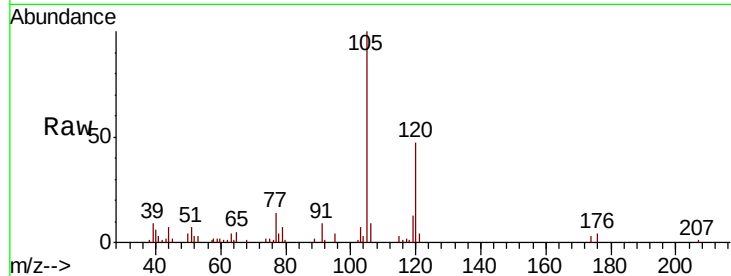




#80
 1,3,5-Trimethylbenzene
 Concen: 0.913 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

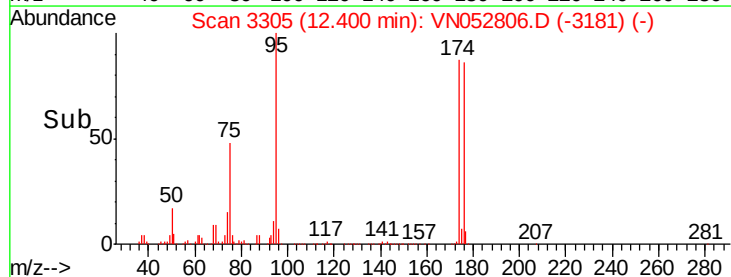
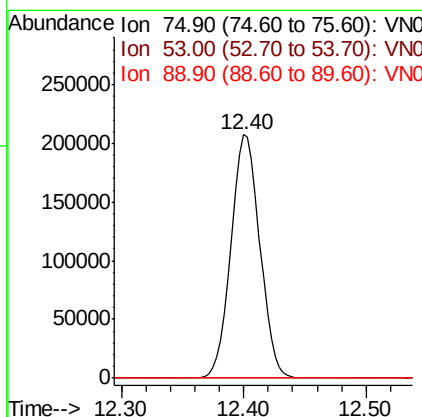
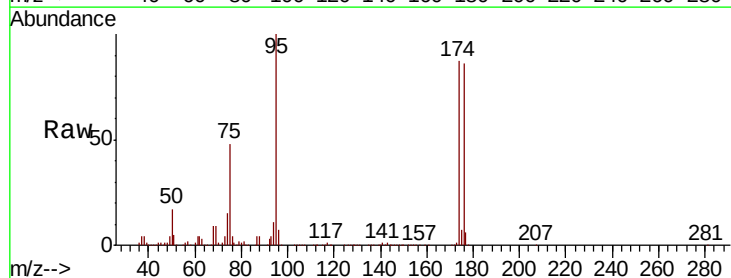
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#11

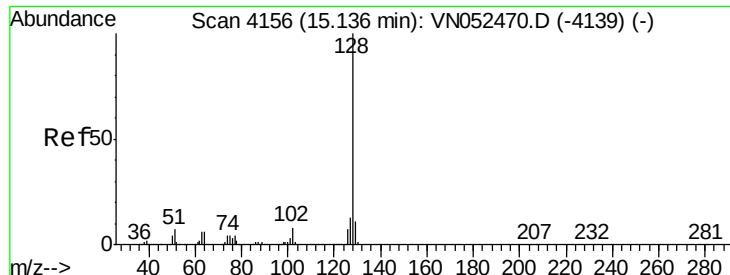
Tot Ion:105 Resp: 37855
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.613 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052806.D
 Acq: 11 Dec 2018 17:02

Tgt Ion: 75 Resp: 341655
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 3.447 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN052806.D

Acq: 11 Dec 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#11

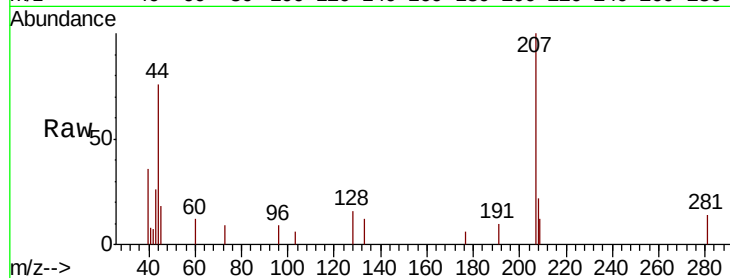
Tot Ion:128 Resp: 493

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

