

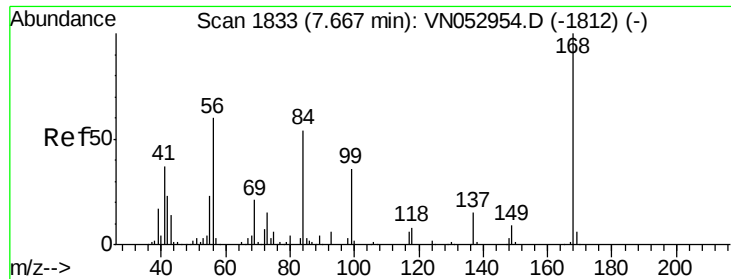
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053260.D
 Acq On : 3 Jan 2019 14:17
 Operator : MD\SY
 Sample : PB116111ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#05

Quant Time: Jan 04 00:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1095242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1703783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1514078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	553834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	548437	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	7.59	113	470935	60.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.02%	
50) Toluene-d8	10.09	98	2079157	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	658634	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	26766	12.282	ug/l	94
18) Methyl Acetate	4.34	43	8451	1.829	ug/l #	79
20) Methylene Chloride	4.56	84	49978	4.204	ug/l	99
25) 2-Butanone	6.83	43	1620	0.443	ug/l #	49
29) Tetrahydrofuran	7.21	42	1021	0.374	ug/l #	69
31) Cyclohexane	7.67	56	17645	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	71928	4.398	ug/l #	48
38) Carbon Tetrachloride	7.67	117	92302	6.158	ug/l #	16
43) Isopropyl Acetate	8.17	43	53195	2.008	ug/l #	83
45) 1,2-Dichloropropane	9.26	63	3244	0.256	ug/l #	44
48) Methyl methacrylate	9.18	41	15007	1.694	ug/l #	12
49) 1,4-Dioxane	9.26	88	116	1.035	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	18587	2.102	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	119394	6.305	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	22895	1.269	ug/l #	42
59) 2-Hexanone	10.76	43	307123	51.344	ug/l #	50
71) Bromoform	12.40	173	4165	0.494	ug/l #	1
74) N-amyl acetate	11.88	43	36957	3.072	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	312674	33.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	312674	108.094	ug/l #	12
95) Naphthalene	15.14	128	146	1.153	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

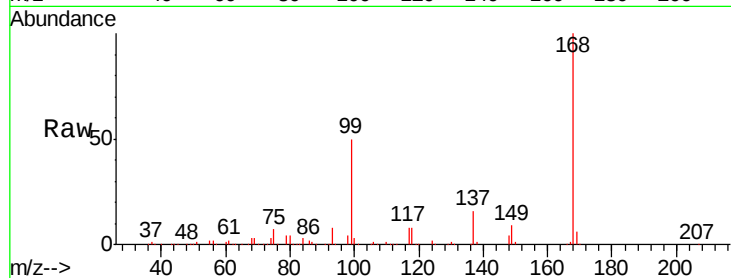
PB116111ZHE#05

Tgt Ion:168 Resp: 1095242

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053260.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053260.D (-1740) (-)

7.67

500000

400000

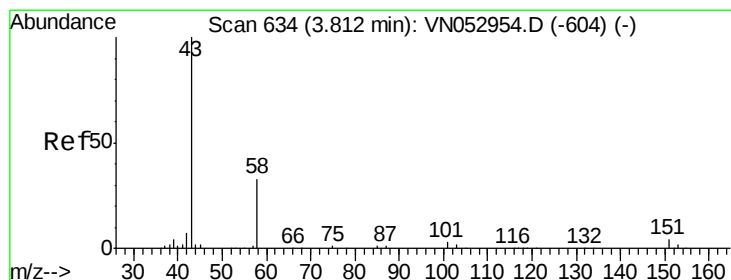
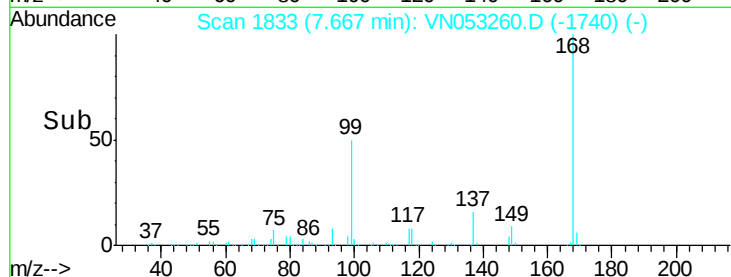
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 12.282 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053260.D

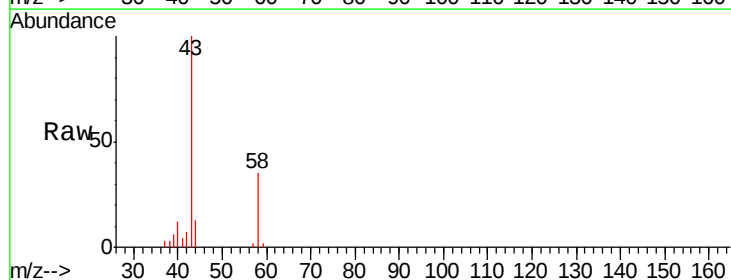
Acq: 3 Jan 2019 14:17

Tgt Ion: 43 Resp: 26766

Ion Ratio Lower Upper

43 100

58 35.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053260.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053260.D (-541) (-)

3.82

10000

8000

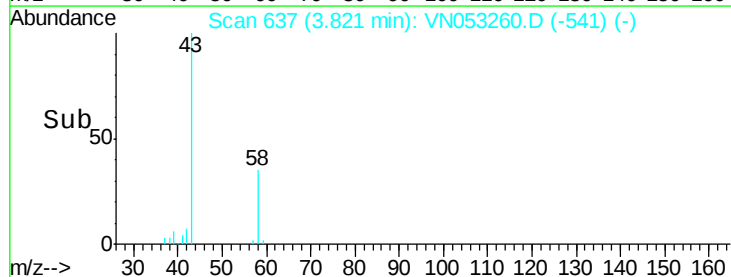
6000

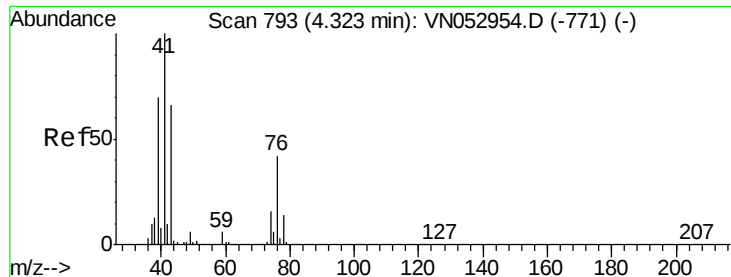
4000

2000

0

Time-->

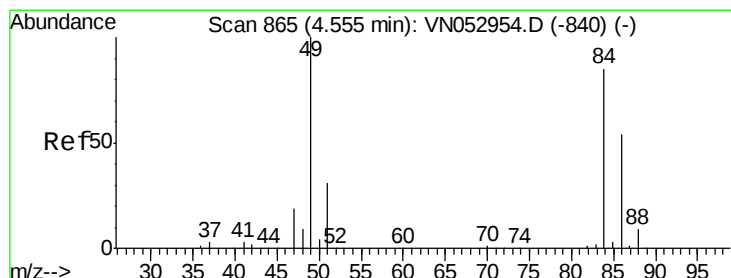
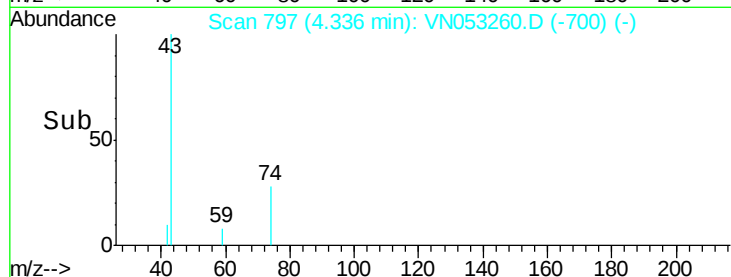
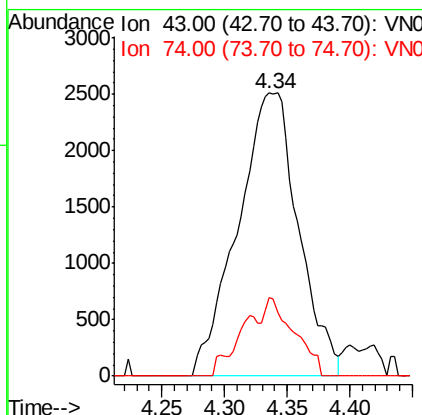
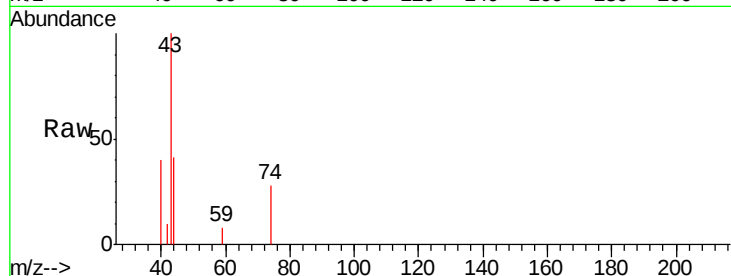




#18
Methyl Acetate
Concen: 1.829 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053260.D
Acq: 3 Jan 2019 14:17

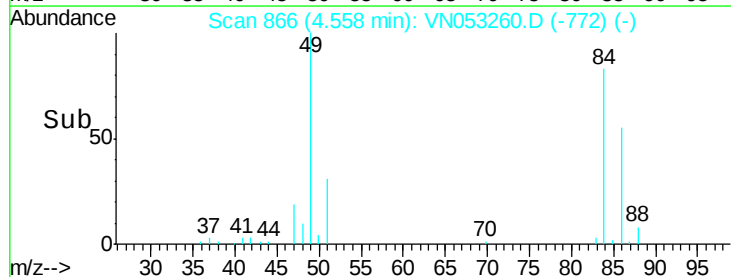
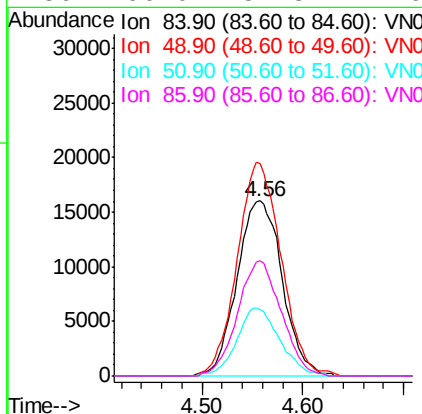
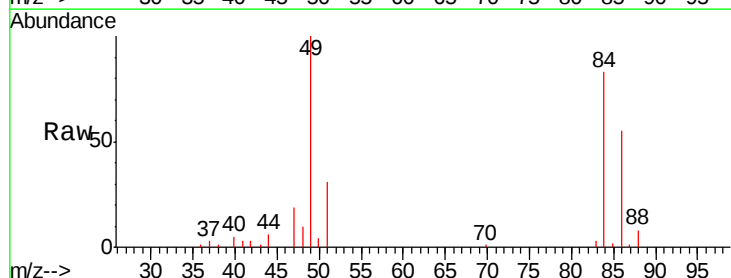
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#05

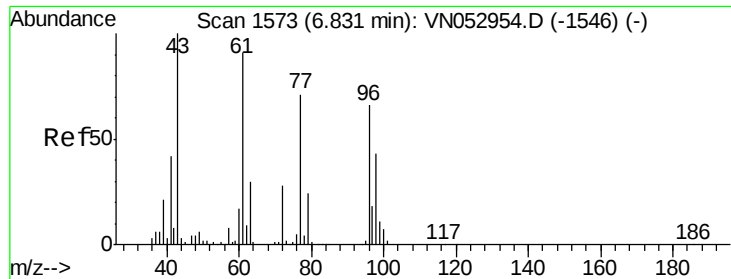
Tgt Ion: 43 Resp: 8451
Ion Ratio Lower Upper
43 100
74 13.4 19.2 28.8#



#20
Methylene Chloride
Concen: 4.204 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053260.D
Acq: 3 Jan 2019 14:17

Tgt Ion: 84 Resp: 49978
Ion Ratio Lower Upper
84 100
49 120.9 96.8 145.2
51 37.8 29.9 44.9
86 66.0 51.8 77.6





#25

2-Butanone

Concen: 0.443 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

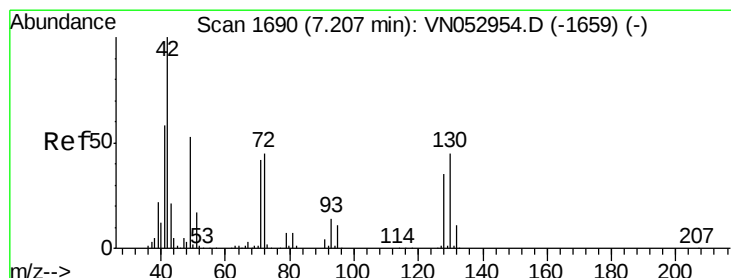
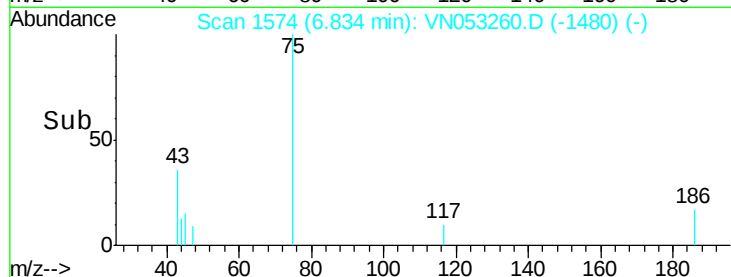
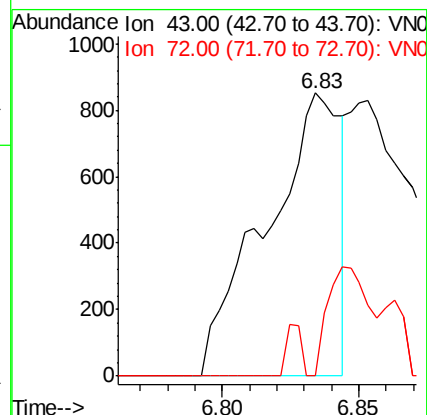
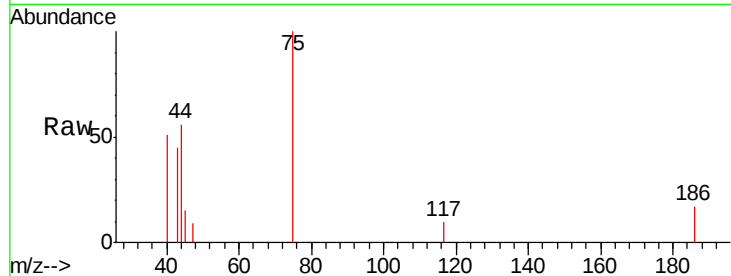
PB116111ZHE#05

Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.374 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

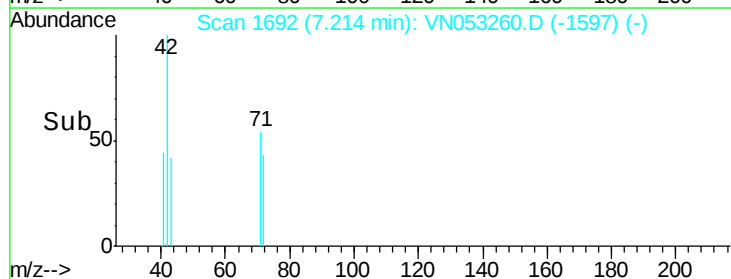
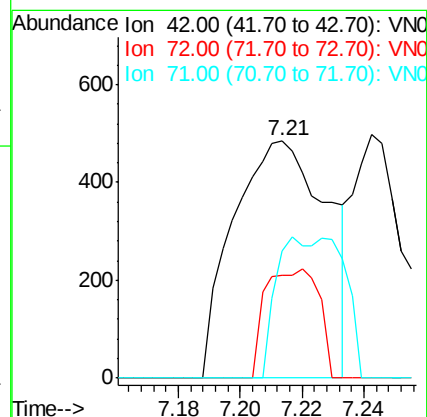
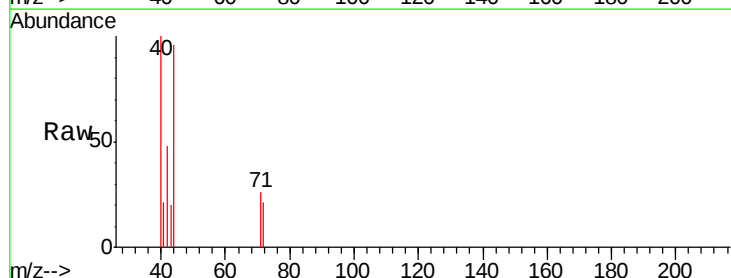
Tgt Ion: 42 Resp: 1021

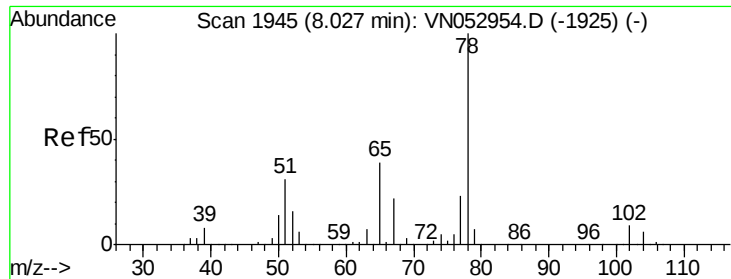
Ion Ratio Lower Upper

42 100

72 26.3 34.7 52.1#

71 18.6 32.3 48.5#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

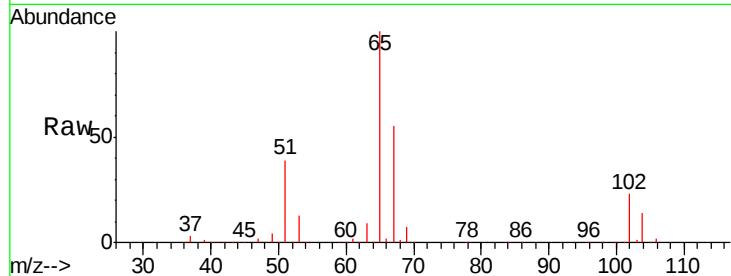
PB116111ZHE#05

Tgt Ion: 65 Resp: 548437

Ion Ratio Lower Upper

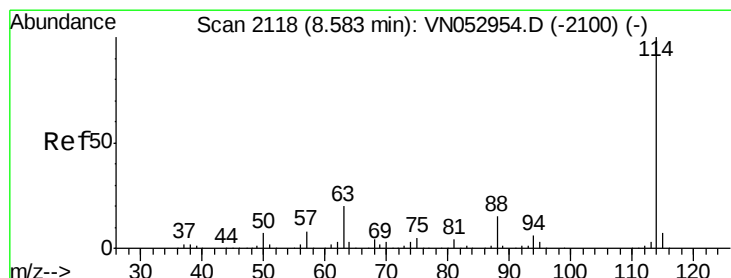
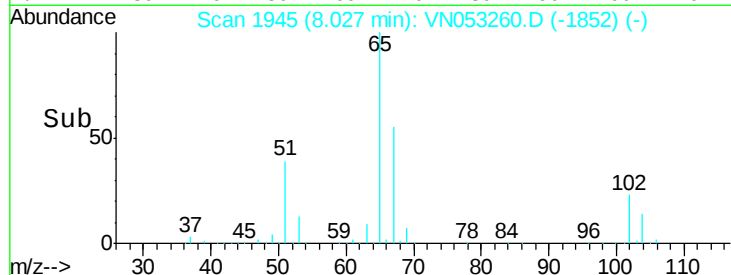
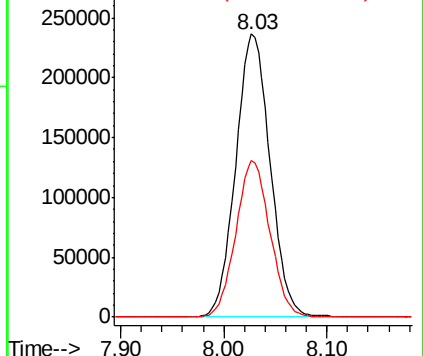
65 100

67 54.9 0.0 110.4



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: VN053260.D

Acq: 3 Jan 2019 14:17

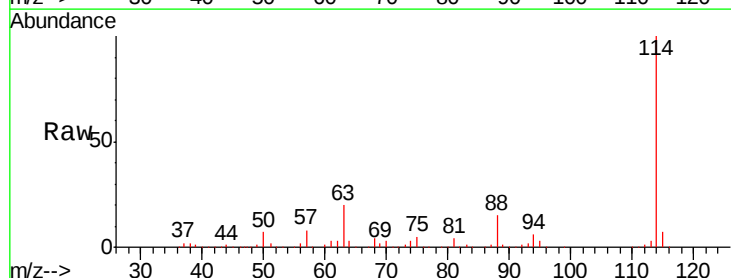
Tgt Ion: 114 Resp: 1703783

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

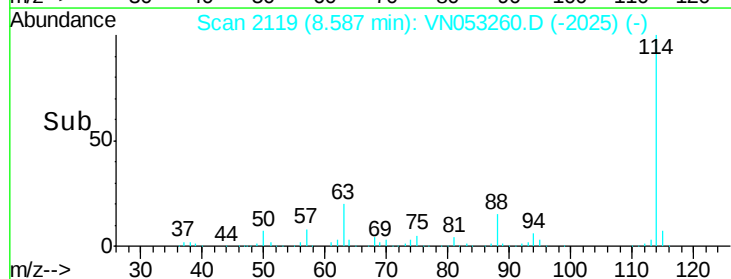
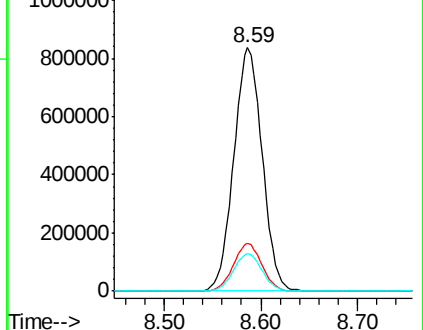
88 15.4 0.0 31.0

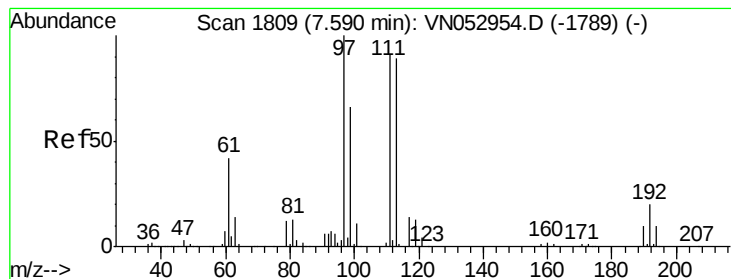


Abundance Ion 113.90 (113.60 to 114.60): V

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: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

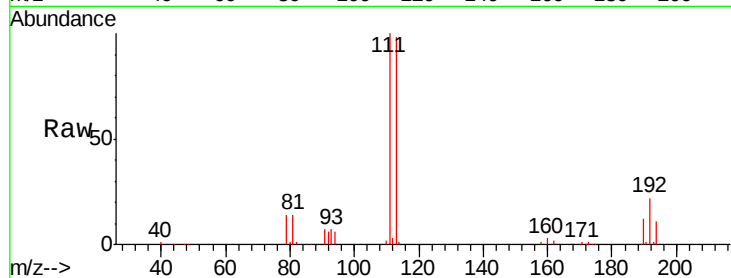
Tgt Ion:113 Resp: 470935

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

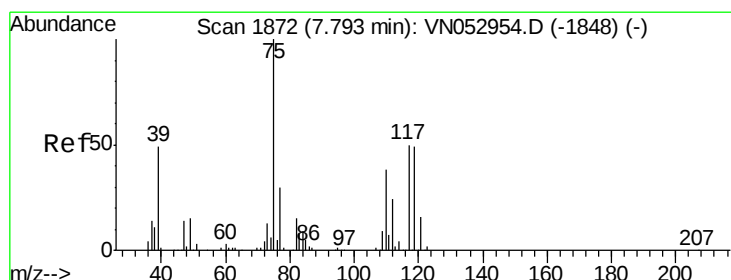
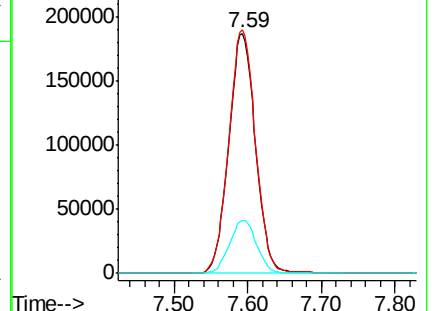
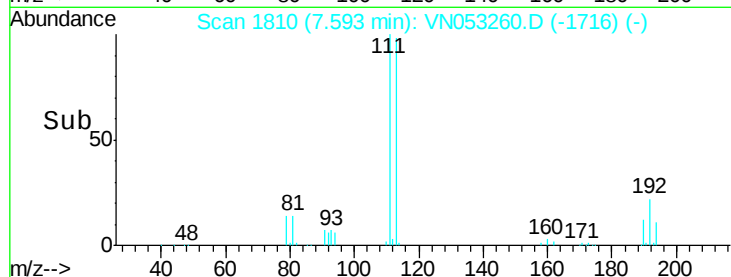
192 22.3 17.5 26.3



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: 4.398 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

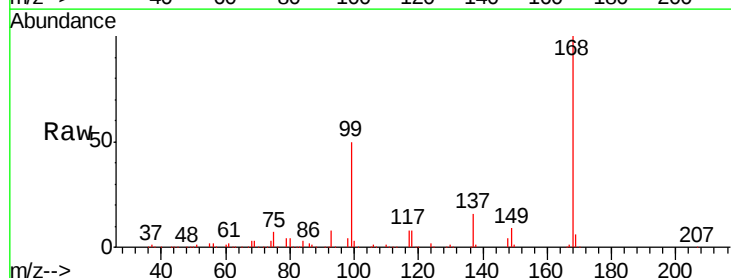
Tgt Ion: 75 Resp: 71928

Ion Ratio Lower Upper

75 100

110 8.4 18.2 54.6#

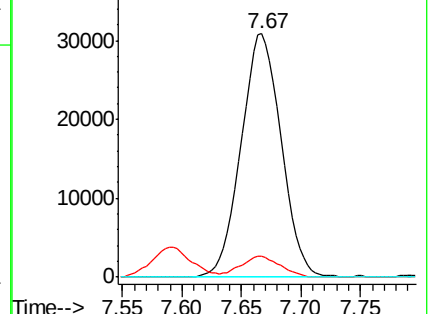
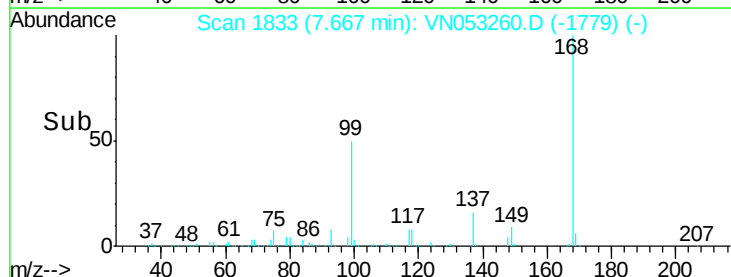
77 0.0 24.9 37.3#

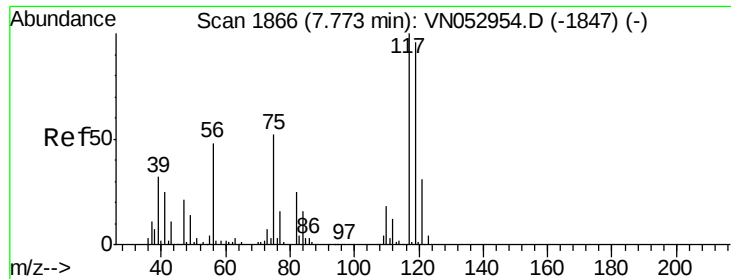


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.158 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

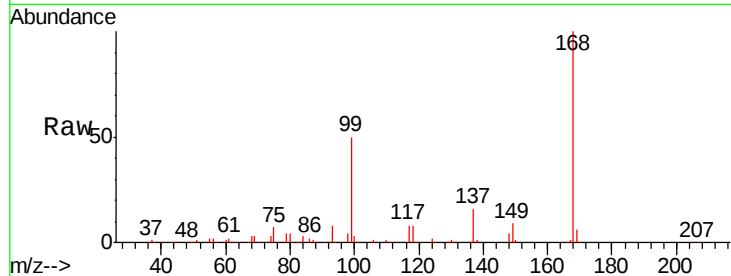
Tgt Ion:117 Resp: 92302

Ion Ratio Lower Upper

117 100

119 5.5 77.1 115.7#

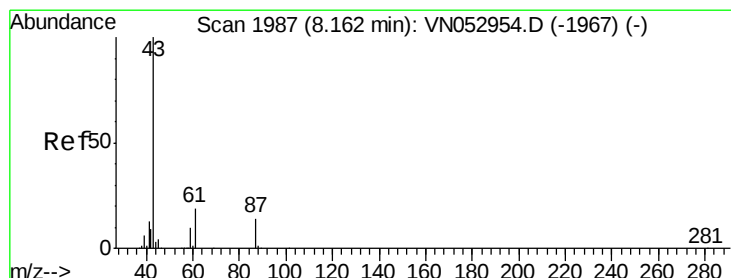
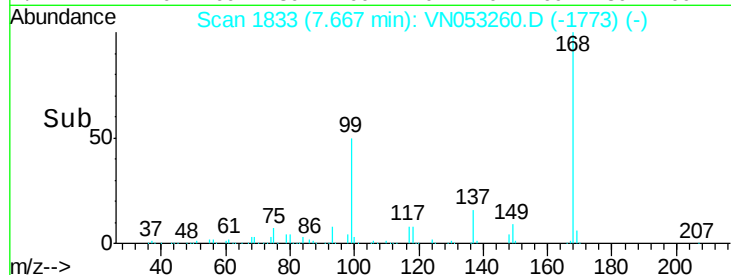
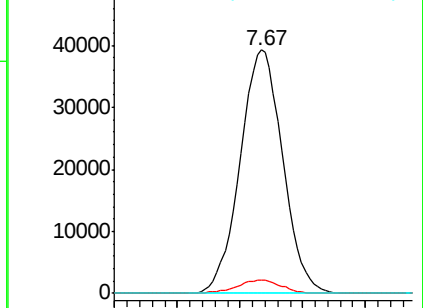
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.008 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

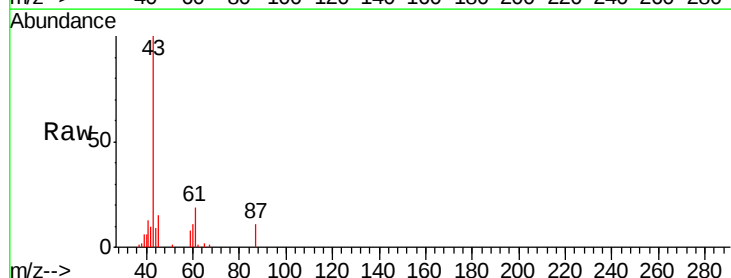
Tgt Ion: 43 Resp: 53195

Ion Ratio Lower Upper

43 100

61 17.6 22.9 34.3#

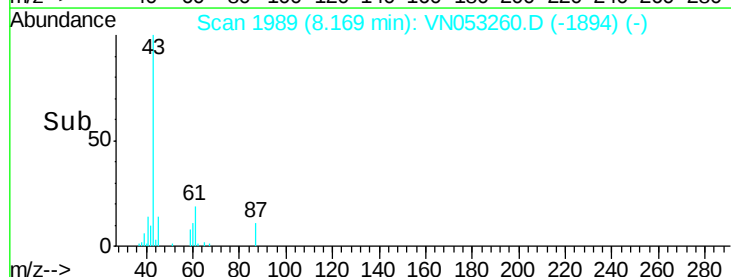
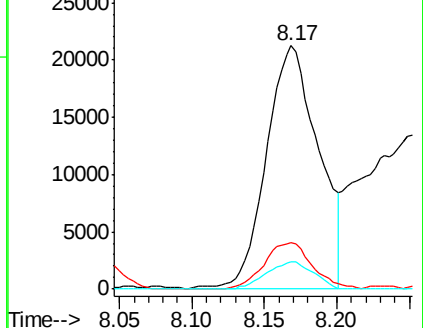
87 10.0 10.6 15.8#

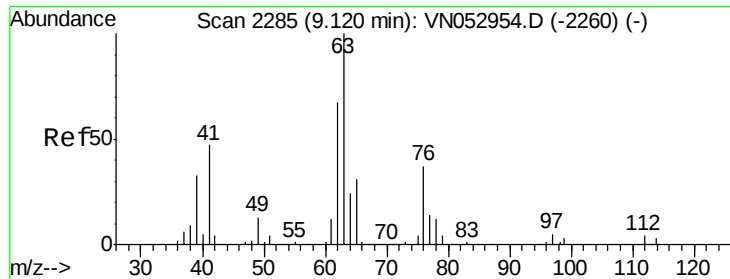


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

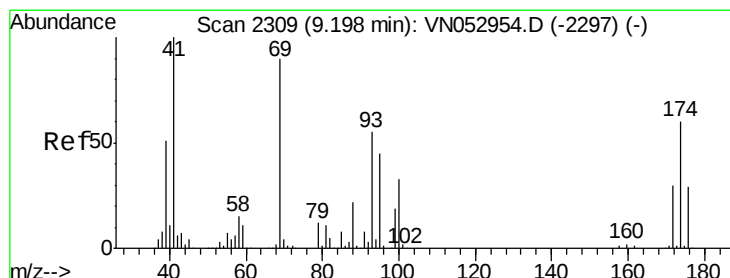
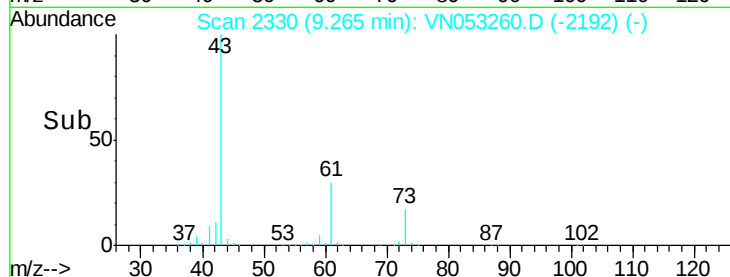
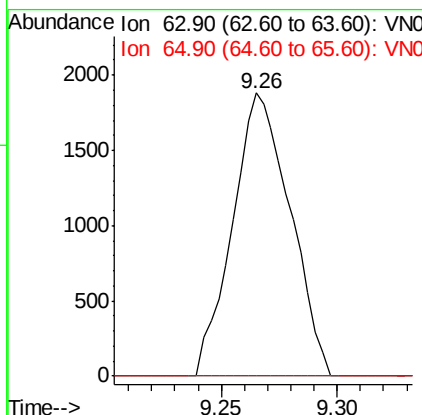
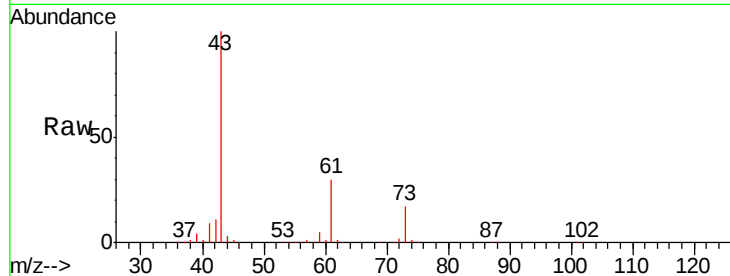




#45
 1,2-Dichloropropane
 Concen: 0.256 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

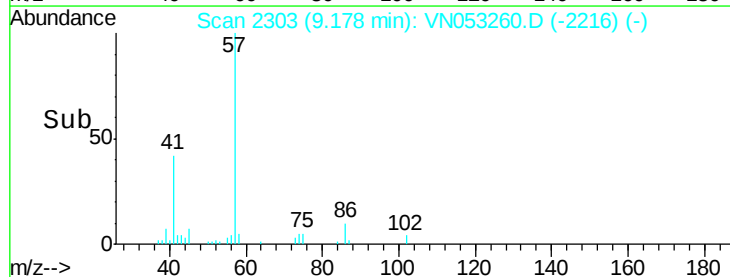
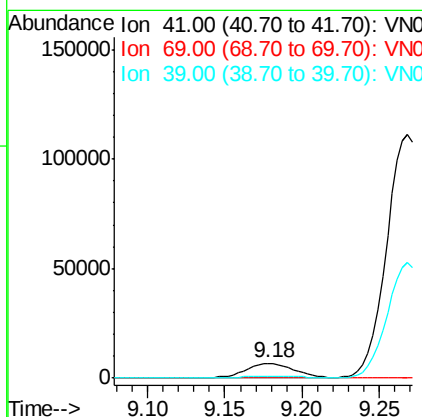
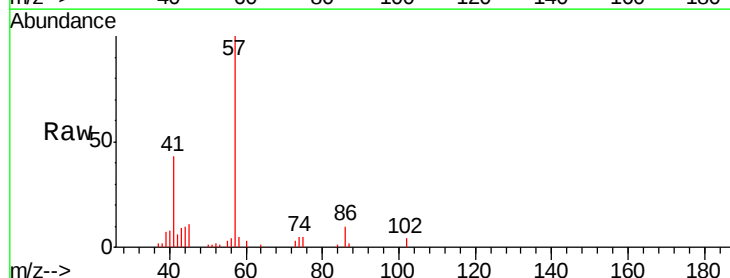
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#05

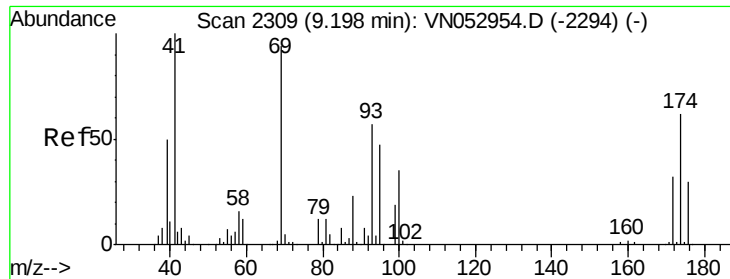
Tgt Ion: 63 Resp: 3244
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.694 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

Tgt Ion: 41 Resp: 15007
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 0.0 41.9 62.9#





#49

1,4-Dioxane

Concen: 1.035 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

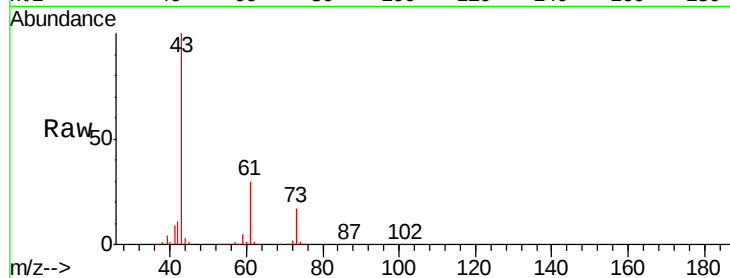
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 2043894.0 26.6 40.0#

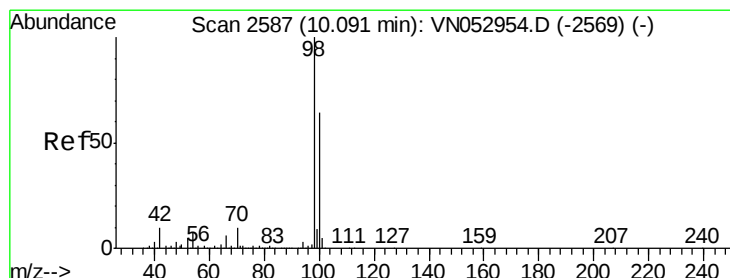
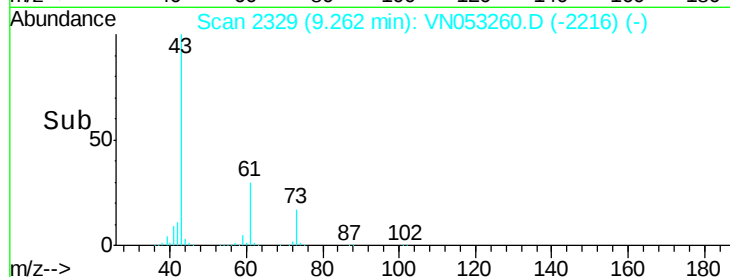
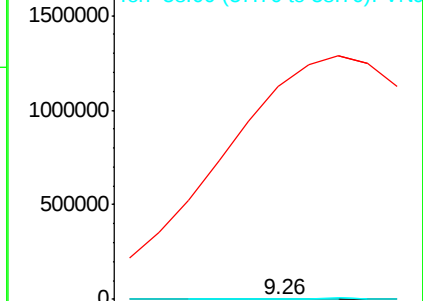
58 9412.9 58.4 87.6#



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: 1.035 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053260.D

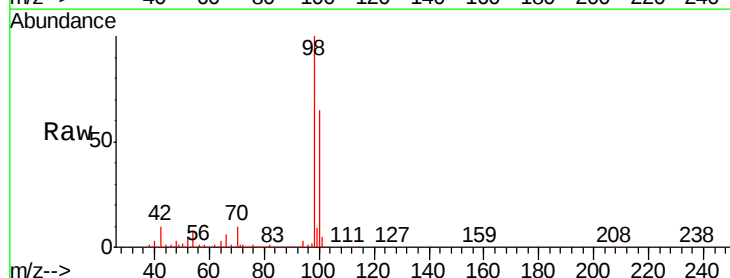
Acq: 3 Jan 2019 14:17

Tgt Ion: 98 Resp: 2079157

Ion Ratio Lower Upper

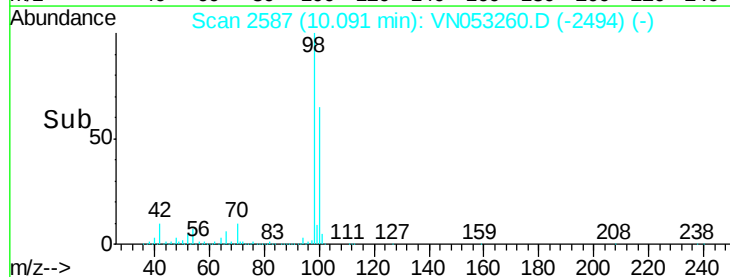
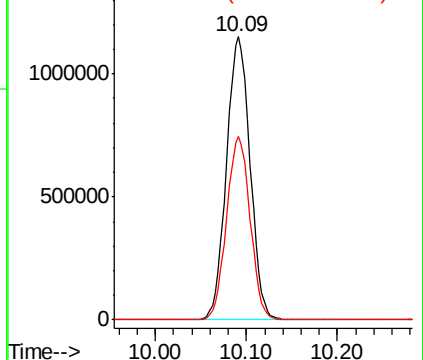
98 100

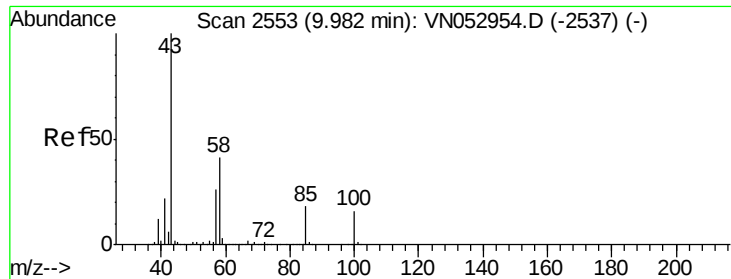
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

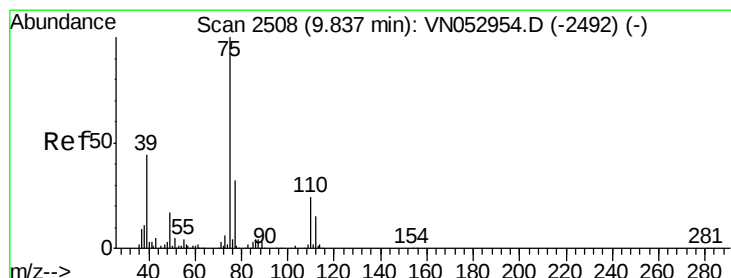
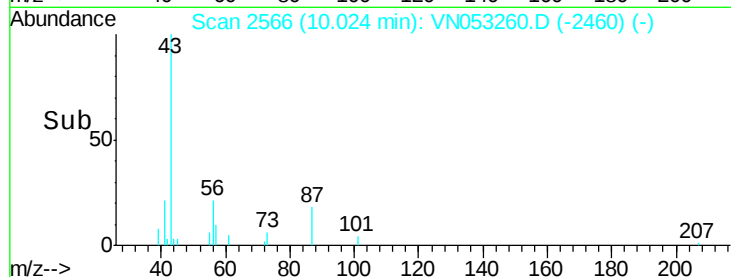
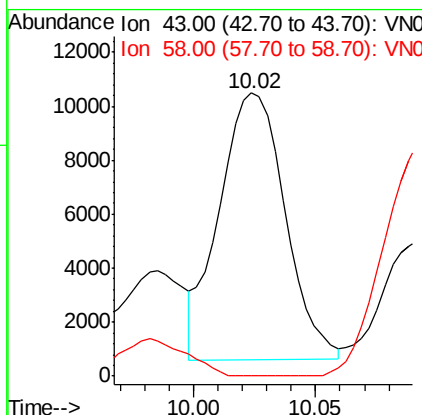
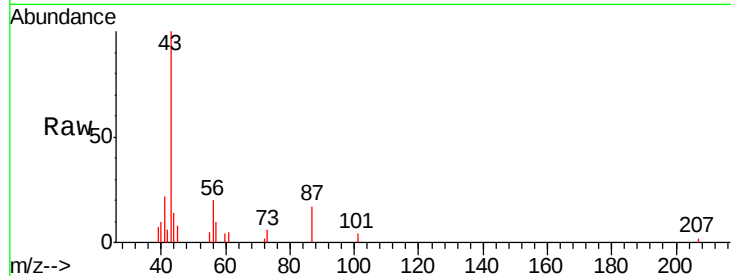




#51
 4-Methyl-2-Pentanone
 Concen: 2.102 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

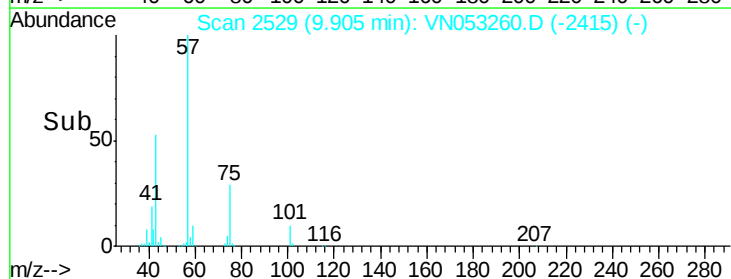
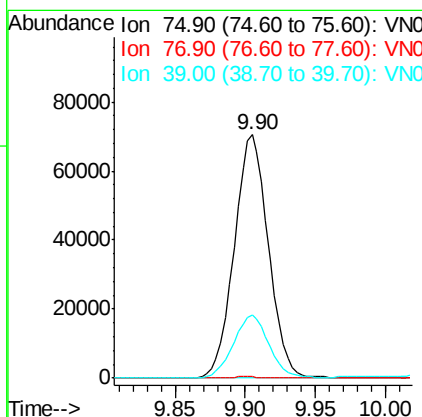
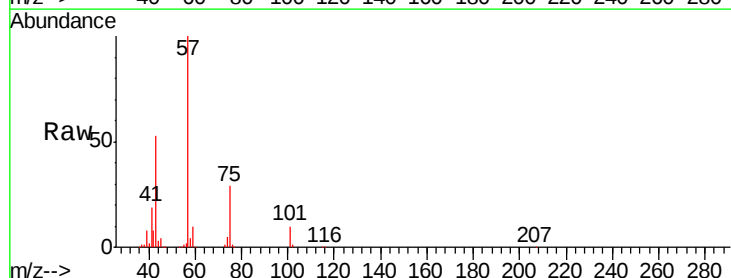
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#05

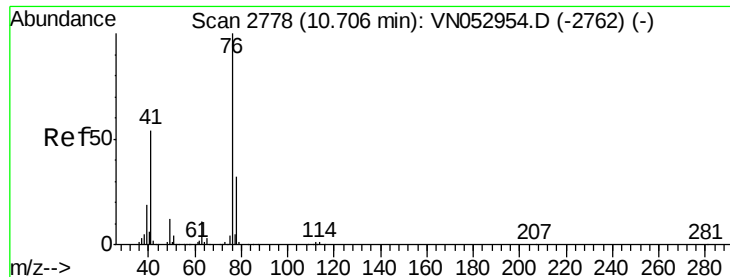
Tgt Ion: 43 Resp: 18587
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.305 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

Tgt Ion: 75 Resp: 119394
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 26.0 34.8 52.2#

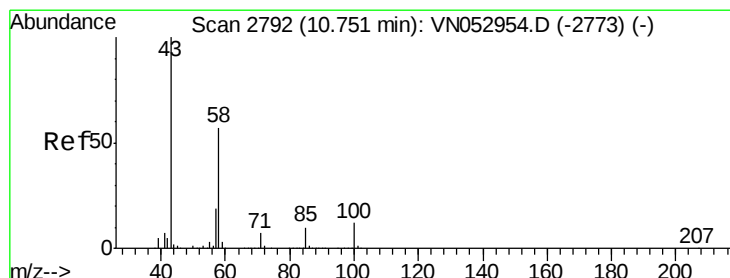
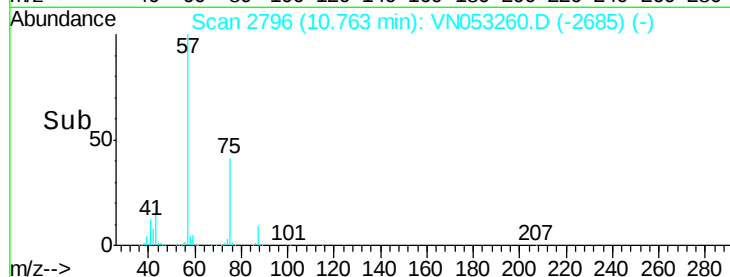
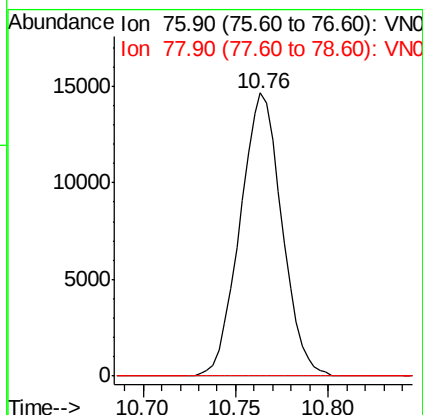
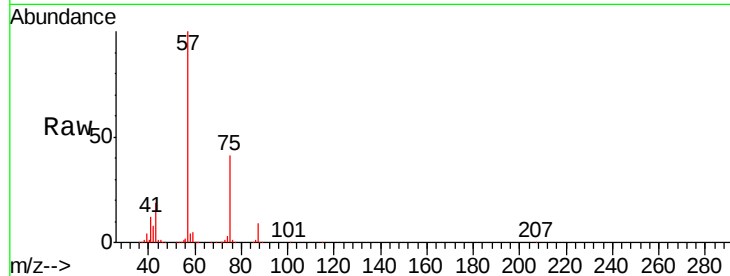




#57
 1,3-Dichloropropane
 Concen: 1.269 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

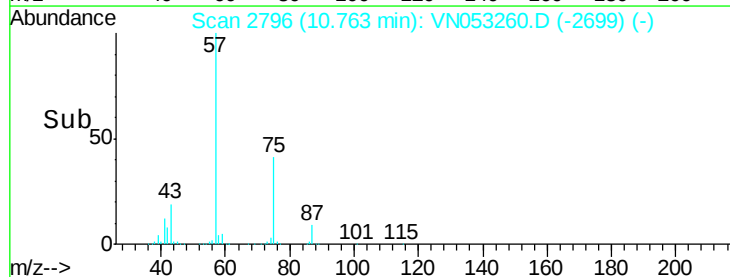
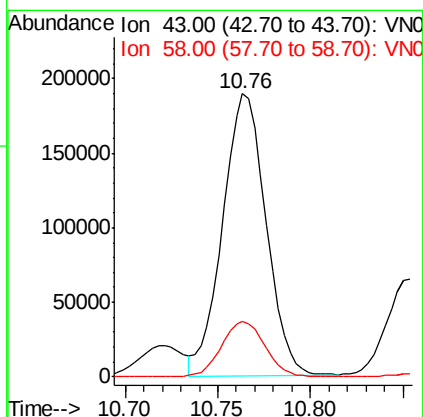
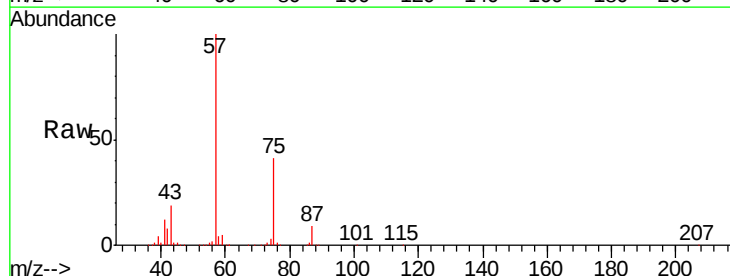
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#05

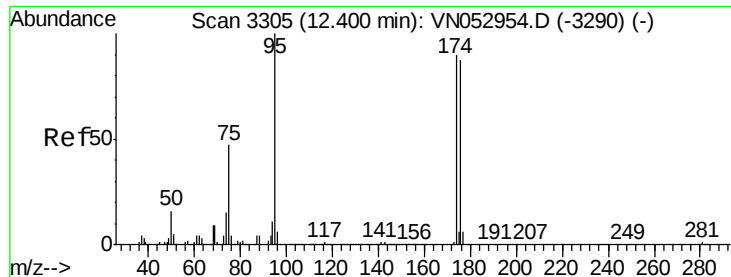
Tgt Ion: 76 Resp: 22895
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 51.344 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053260.D
 Acq: 3 Jan 2019 14:17

Tgt Ion: 43 Resp: 307123
 Ion Ratio Lower Upper
 43 100
 58 19.8 28.1 84.3#

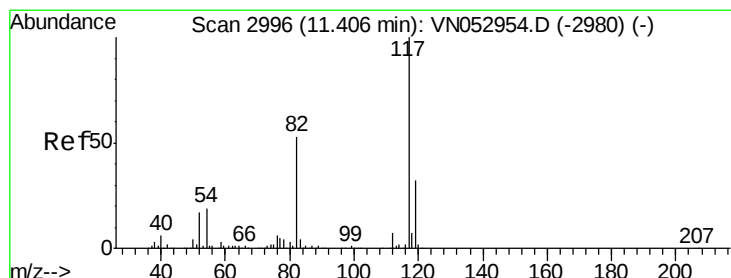
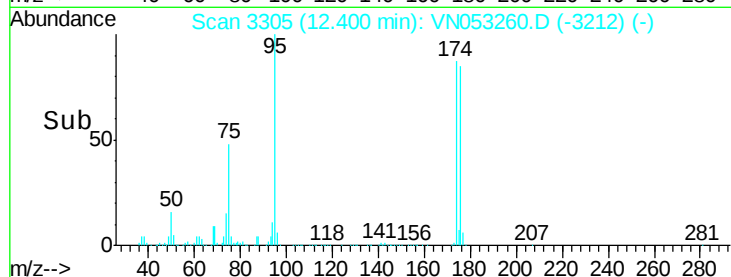
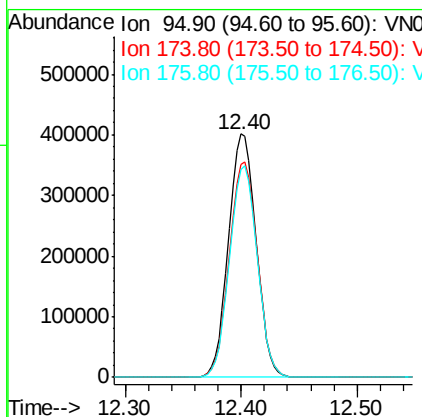
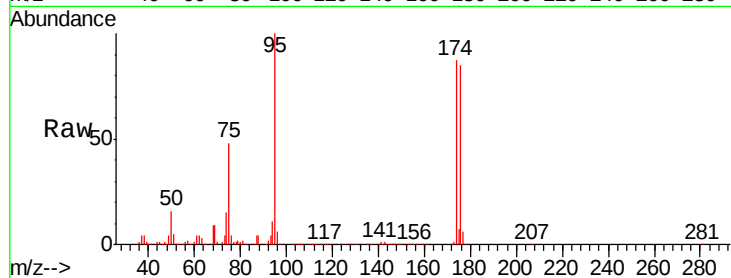




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053260.D
Acq: 3 Jan 2019 14:17

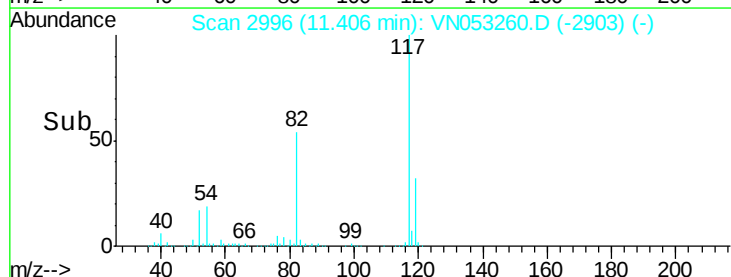
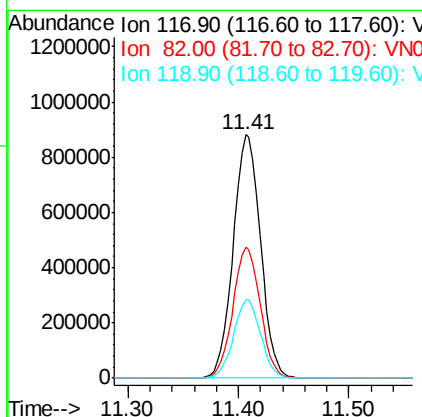
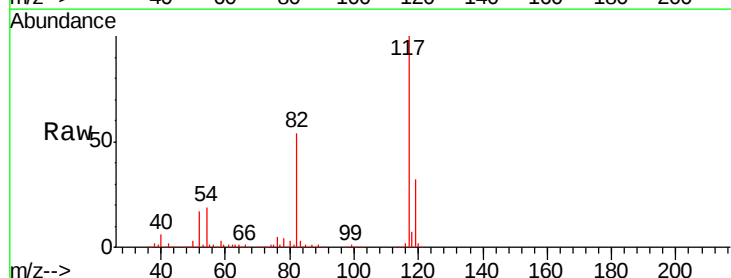
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#05

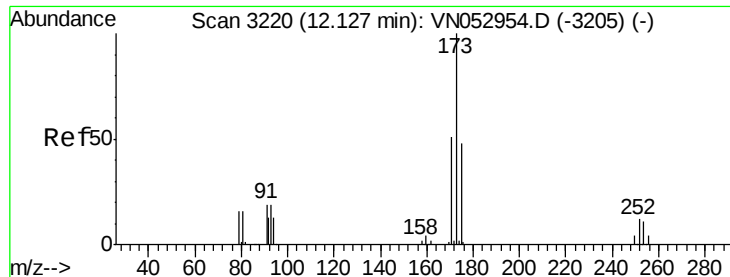
Tgt Ion: 95 Resp: 658634
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.8
176 87.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053260.D
Acq: 3 Jan 2019 14:17

Tgt Ion: 117 Resp: 1514078
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.4 25.5 38.3





#71

Bromoform

Concen: 0.494 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

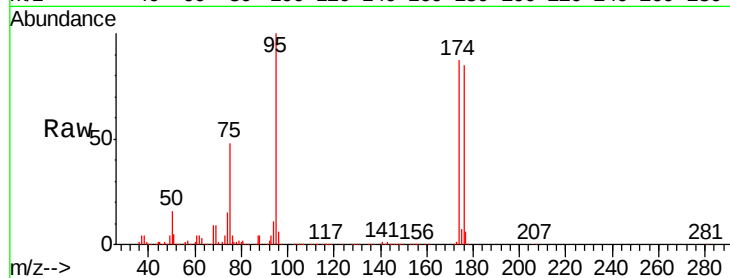
Tgt Ion:173 Resp: 4165

Ion Ratio Lower Upper

173 100

175 934.5 24.3 72.9#

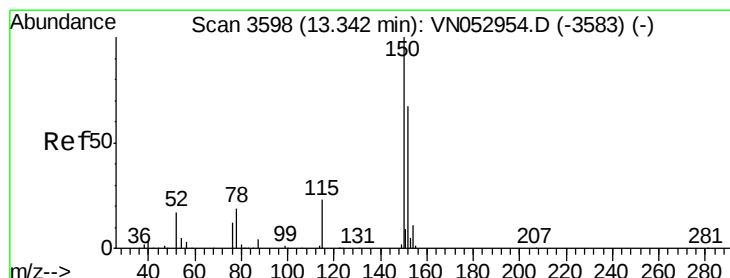
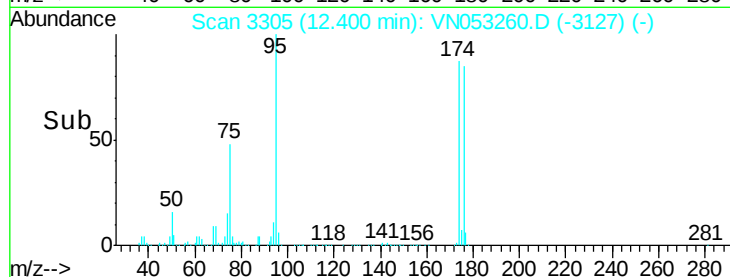
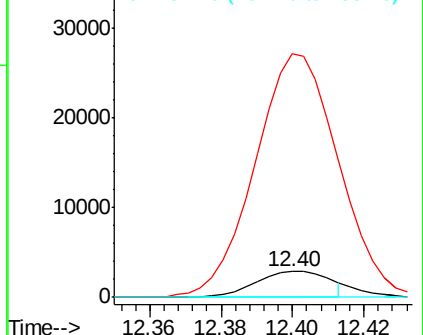
254 0.0 0.1 0.1#



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: VN053260.D

Acq: 3 Jan 2019 14:17

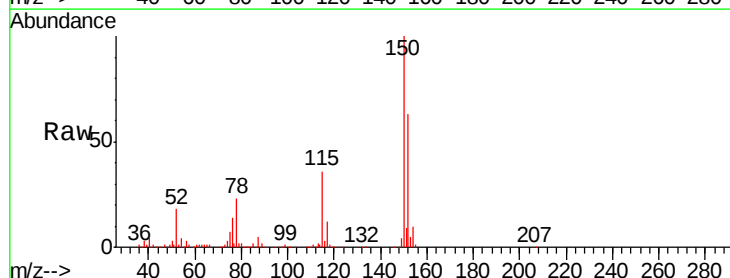
Tgt Ion:152 Resp: 553834

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

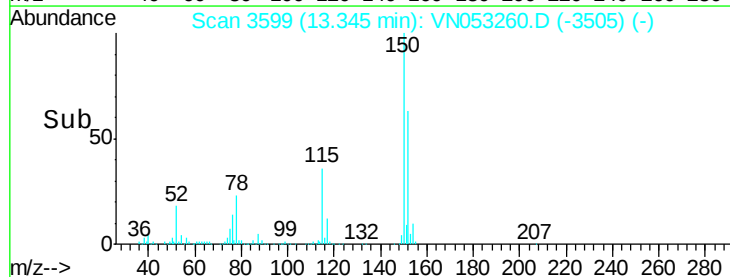
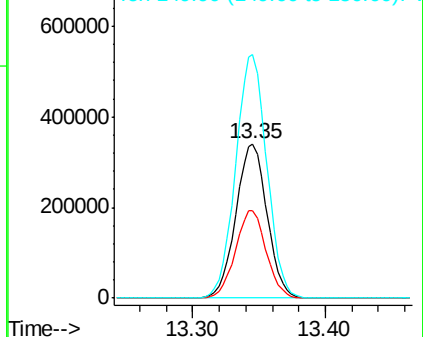
150 157.9 0.0 347.8

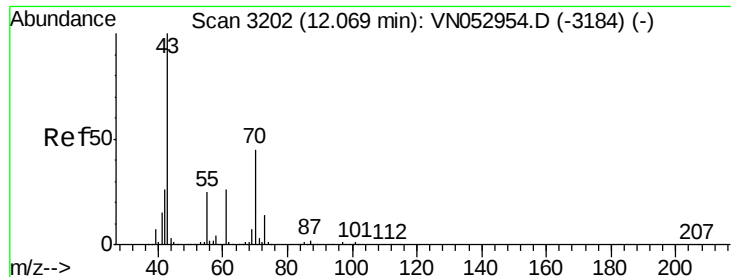


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 3.072 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

Tgt Ion: 43 Resp: 36957

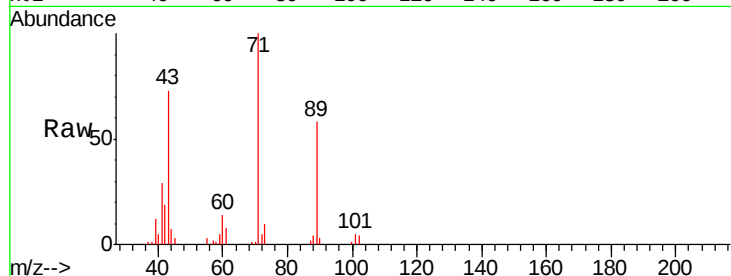
Ion Ratio Lower Upper

43 100

70 2.2 34.2 51.4#

55 4.4 20.3 30.5#

61 11.0 20.0 30.0#

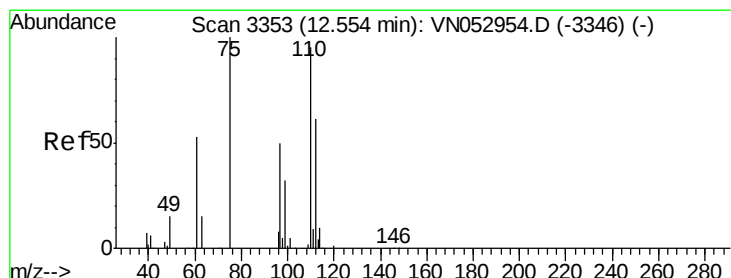
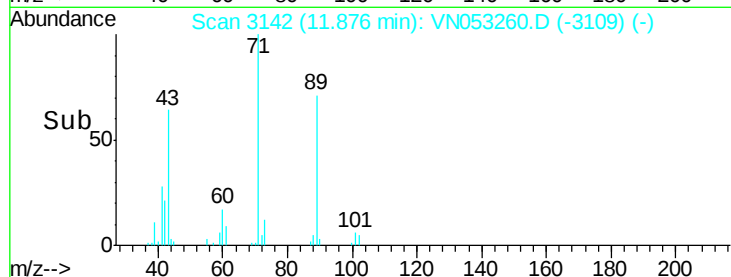
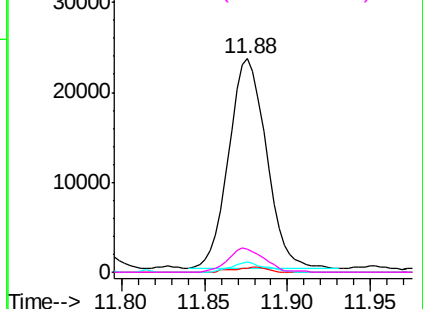


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 33.537 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053260.D

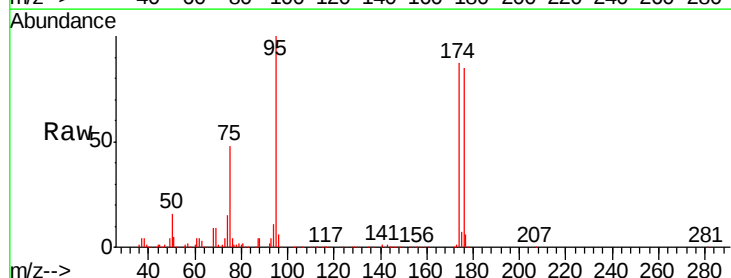
Acq: 3 Jan 2019 14:17

Tgt Ion: 75 Resp: 312674

Ion Ratio Lower Upper

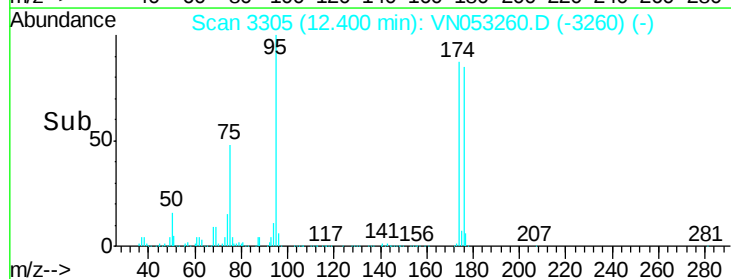
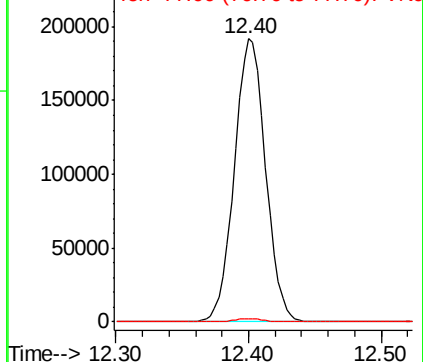
75 100

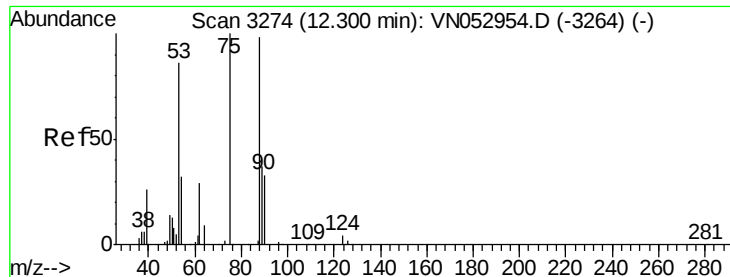
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 108.094 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#05

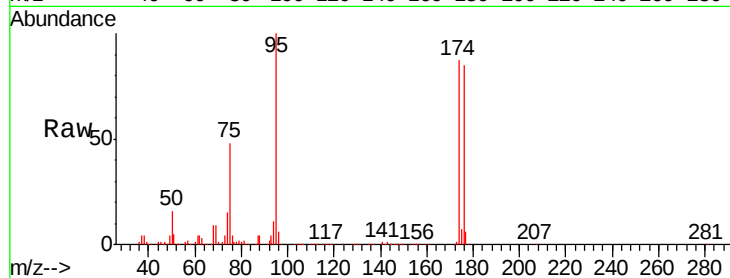
Tgt Ion: 75 Resp: 312674

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

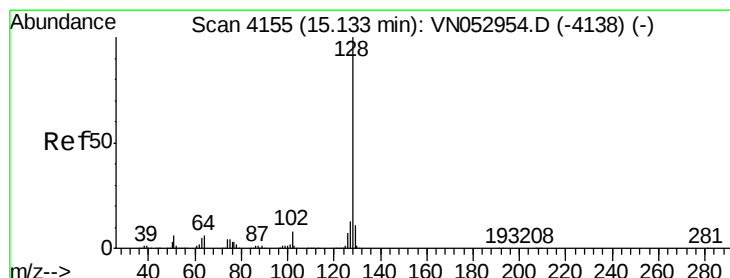
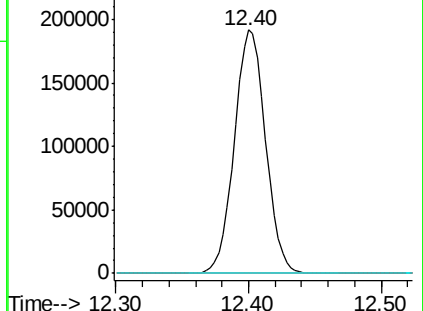
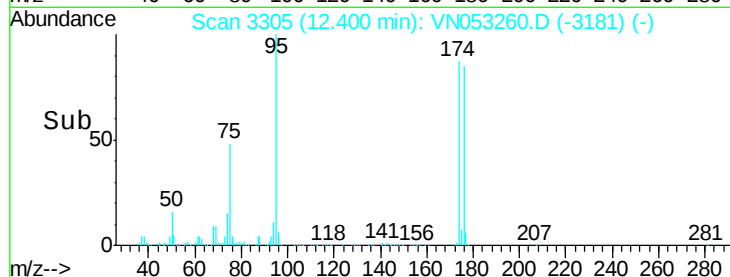
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053260.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053260.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053260.D (-3181) (-)



#95

Naphthalene

Concen: 1.153 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN053260.D

Acq: 3 Jan 2019 14:17

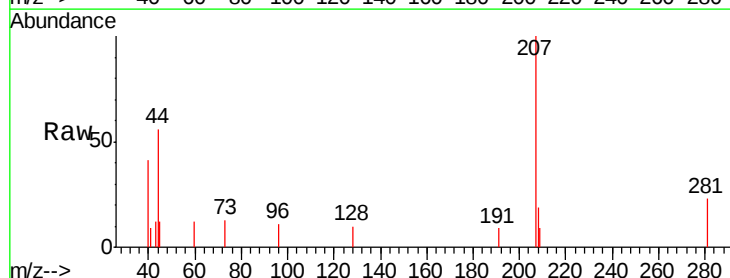
Tgt Ion: 128 Resp: 146

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN053260.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN053260.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN053260.D (-4062) (-)

