

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053957.D
 Acq On : 26 Feb 2019 16:11
 Operator : JC/SP
 Sample : PB117375TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117375TB

Quant Time: Feb 27 02:28:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	579385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1032031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	355362	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	388303	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
35) Dibromofluoromethane	7.59	113	356538	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.09	98	1374997	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	429502	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

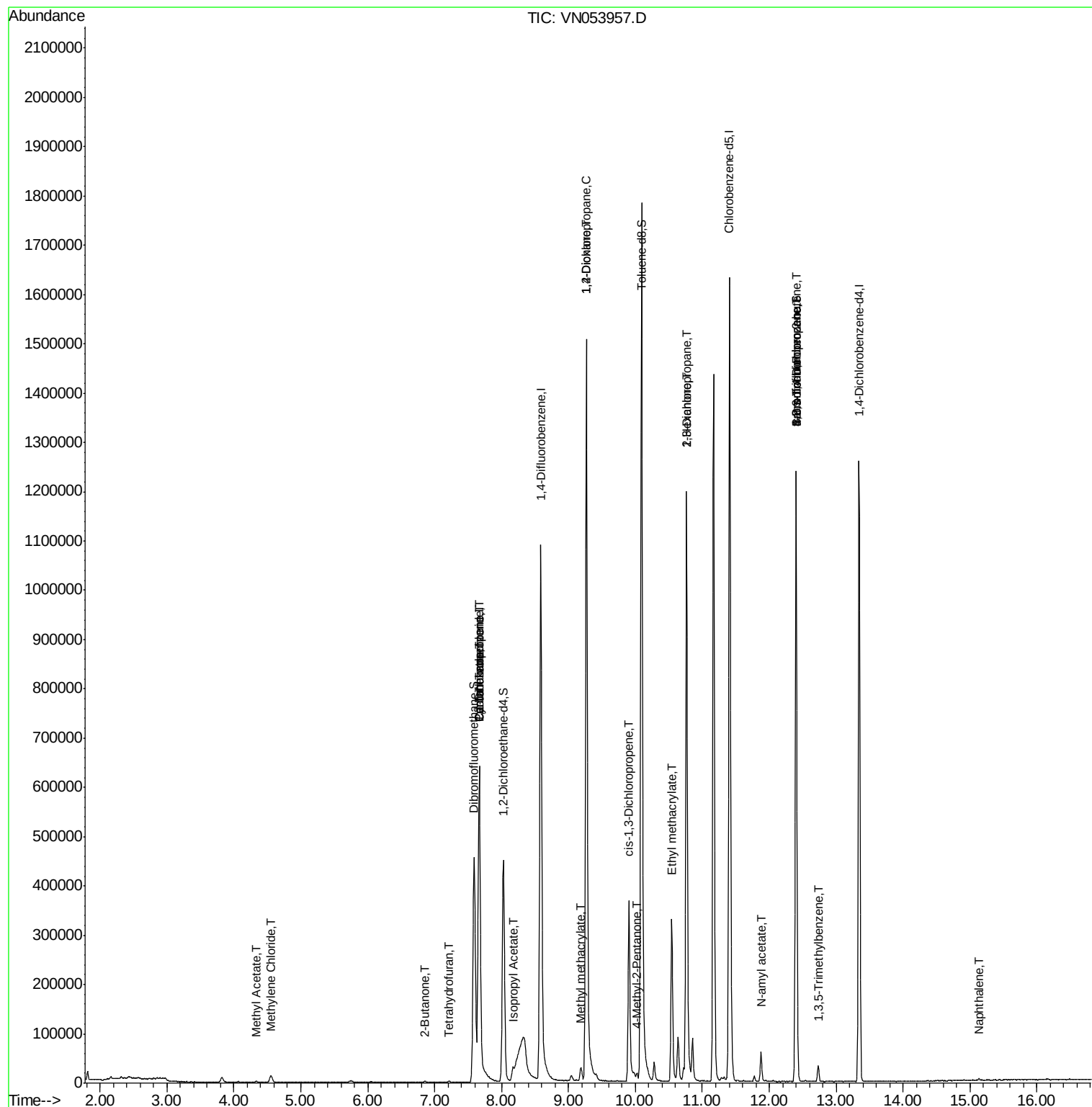
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	17911	Below Cal		91
18) Methyl Acetate	4.34	43	2538	0.534	ug/l #	75
20) Methylene Chloride	4.55	84	9512	1.415	ug/l	87
25) 2-Butanone	6.85	43	3004	1.126	ug/l #	84
29) Tetrahydrofuran	7.21	42	1661	0.935	ug/l #	50
31) Cyclohexane	7.67	56	10674	0.578	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40915	4.026	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52280	4.947	ug/l #	17
43) Isopropyl Acetate	8.17	43	37148	3.032	ug/l #	64
45) 1,2-Dichloropropane	9.27	63	1842	0.219	ug/l #	44
48) Methyl methacrylate	9.18	41	10512	1.865	ug/l #	12
49) 1,4-Dioxane	9.27	88	115	1.507	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	10653	1.692	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	70664	5.978	ug/l #	68
56) Ethyl methacrylate	10.54	69	1793	2.146	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13119	1.131	ug/l #	43
59) 2-Hexanone	10.76	43	190392	46.498	ug/l #	48
71) Bromoform	12.40	173	3684	0.675	ug/l #	1
74) N-amyl acetate	11.88	43	20096	2.772	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	213335	37.423	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	17163	0.758	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	213335	118.280	ug/l #	15
95) Naphthalene	15.14	128	3737	3.460	ug/l #	81

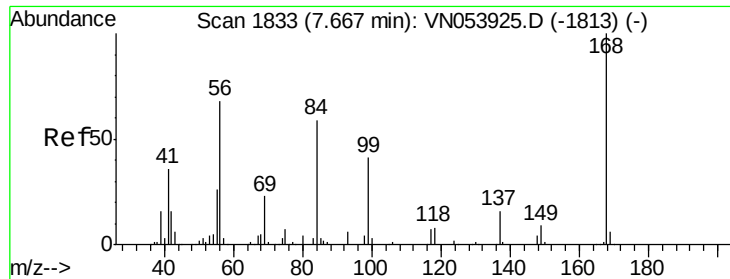
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
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: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

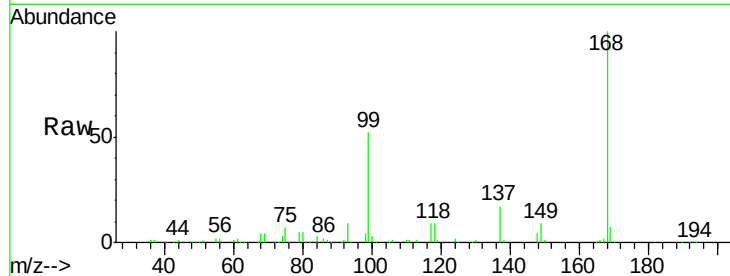
PB117375TB

Tot Ion:168 Resp: 579385

Ion Ratio Lower Upper

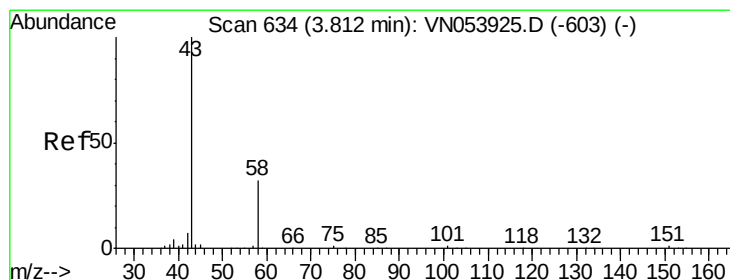
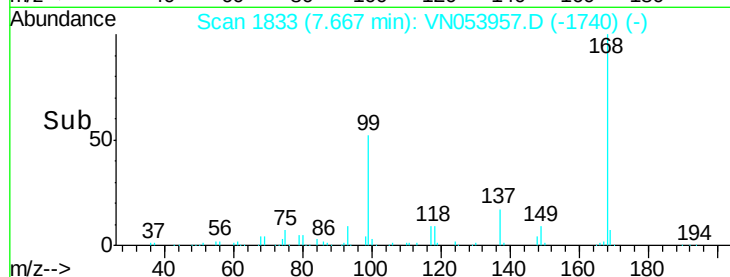
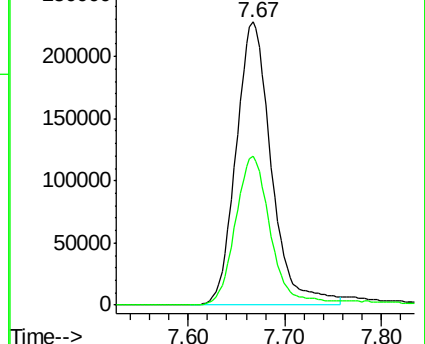
168 100

99 52.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053957.D

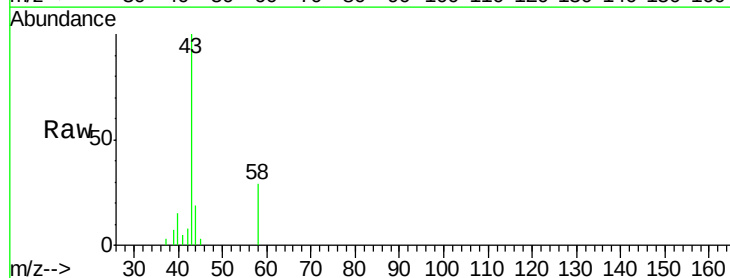
Acq: 26 Feb 2019 16:11

Tgt Ion: 43 Resp: 17911

Ion Ratio Lower Upper

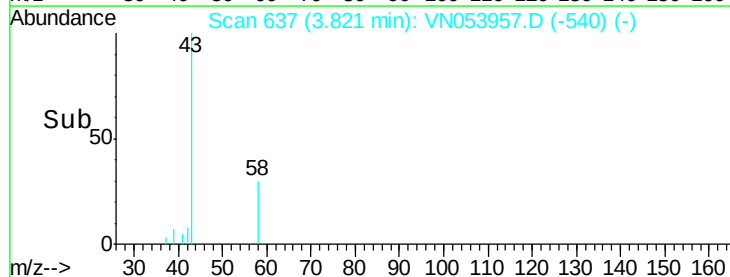
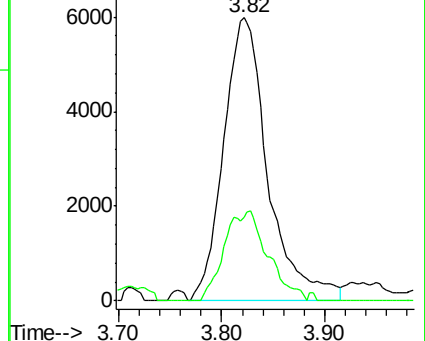
43 100

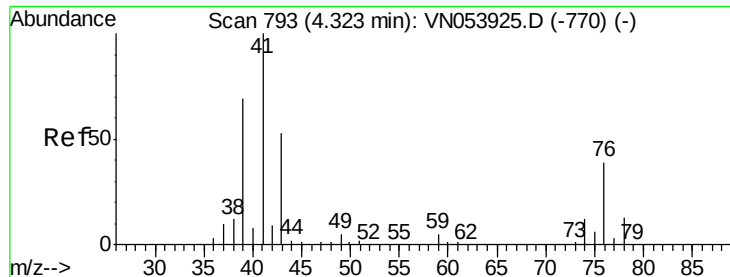
58 29.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

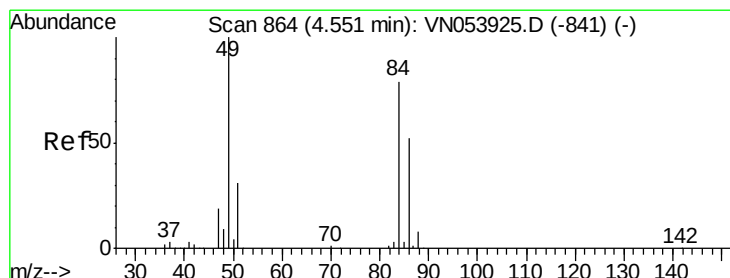
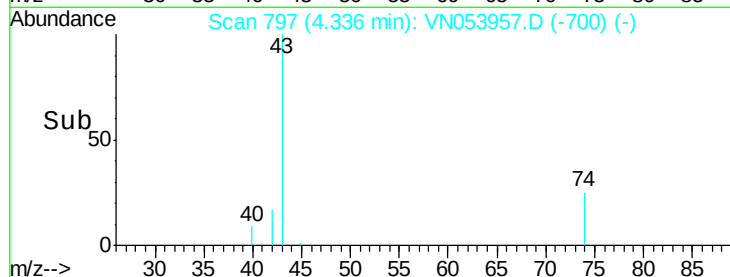
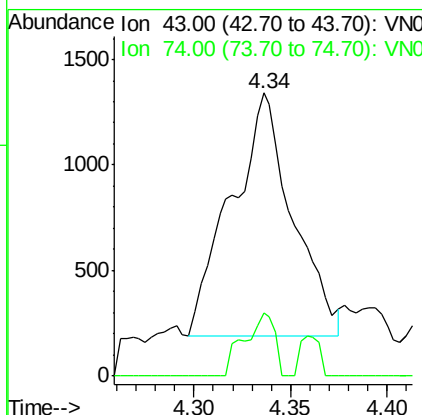
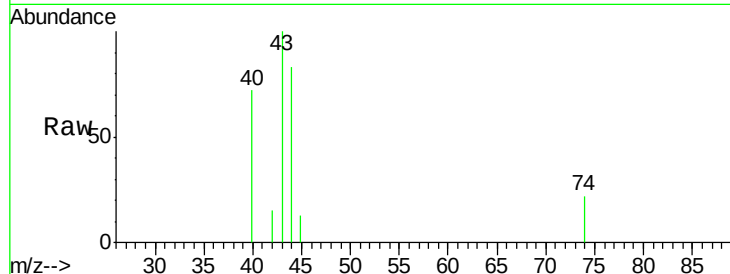




#18
Methyl Acetate
Concen: 0.534 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

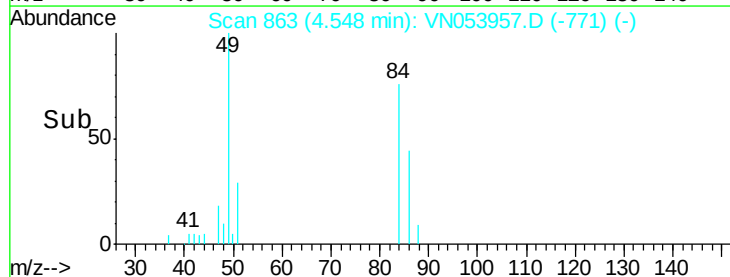
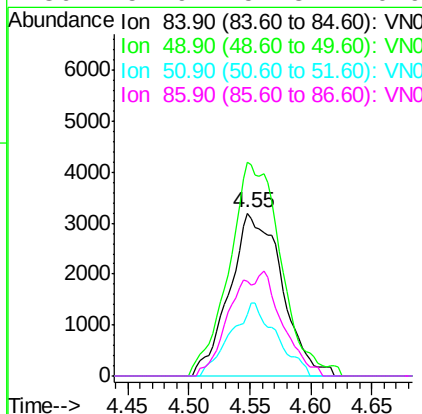
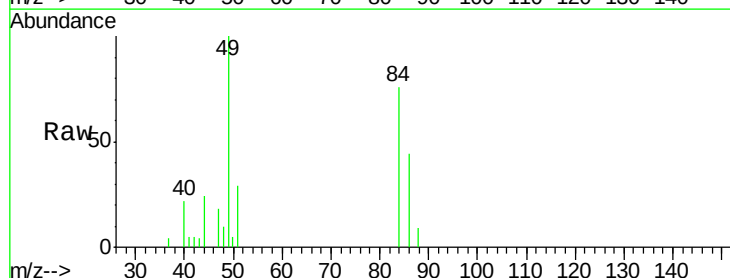
Instrument :
MSVOA_N
ClientSampled :
PB117375TB

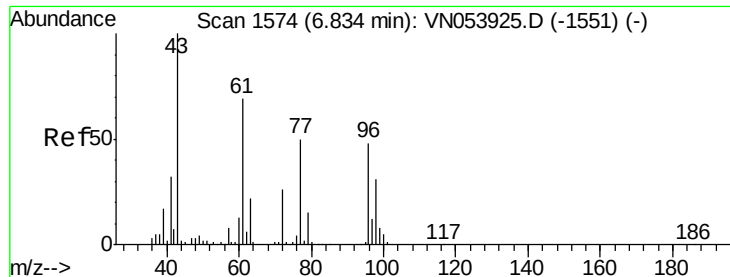
Tot Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
74 12.8 20.5 30.7#



#20
Methylene Chloride
Concen: 1.415 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion: 84 Resp: 9512
Ion Ratio Lower Upper
84 100
49 131.2 89.7 134.5
51 37.8 27.8 41.8
86 57.9 51.3 76.9





#25

2-Butanone

Concen: 1.126 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampled :

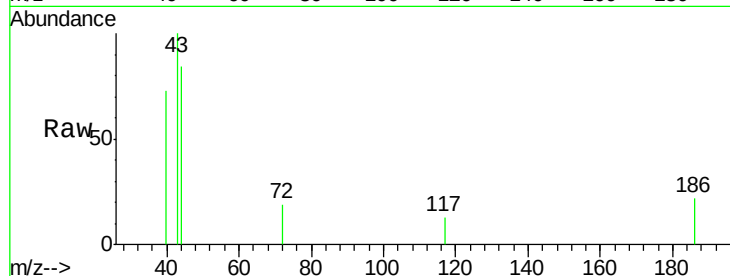
PB117375TB

Tot Ion: 43 Resp: 3004

Ion Ratio Lower Upper

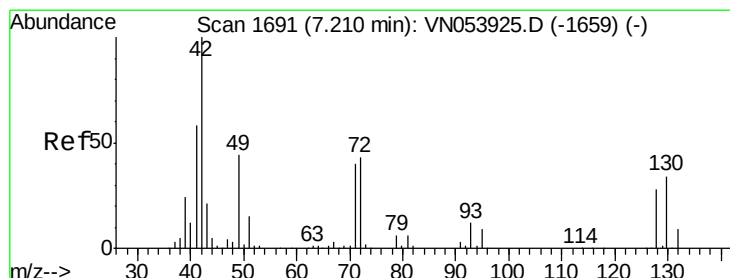
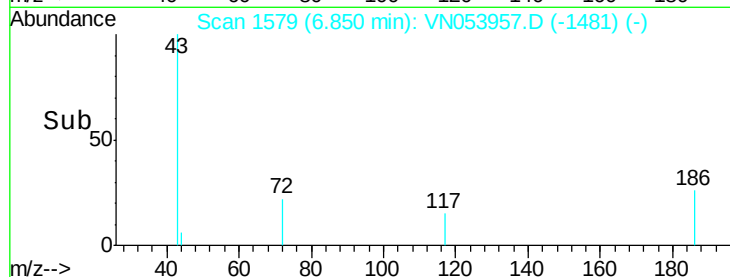
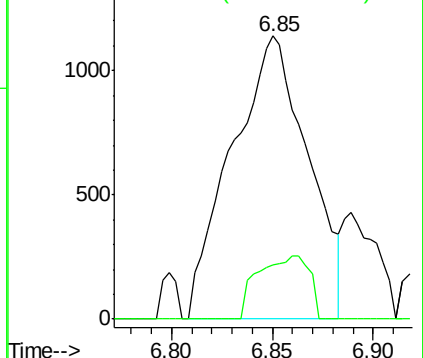
43 100

72 19.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

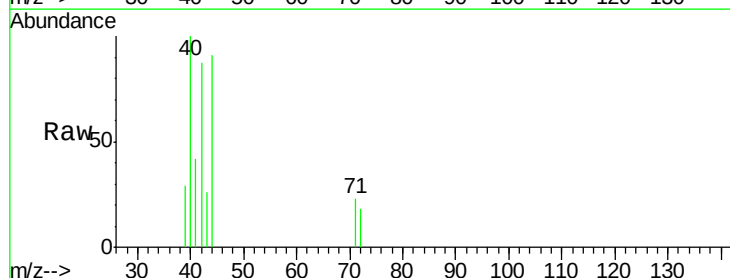
Tgt Ion: 42 Resp: 1661

Ion Ratio Lower Upper

42 100

72 12.0 36.9 55.3#

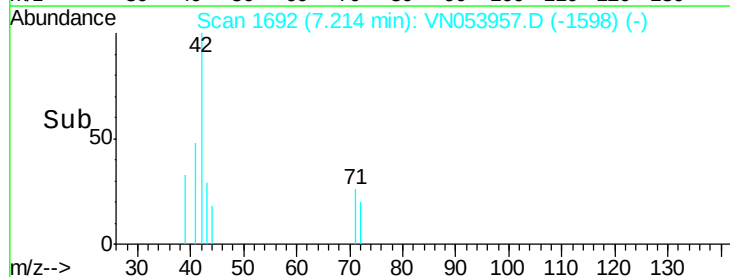
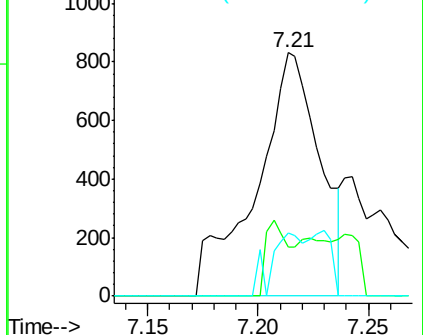
71 12.8 34.6 52.0#

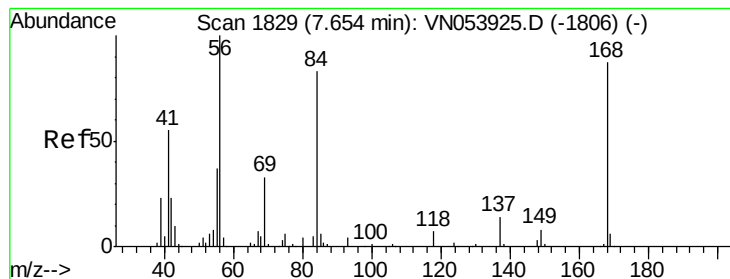


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.578 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampled :

PB117375TB

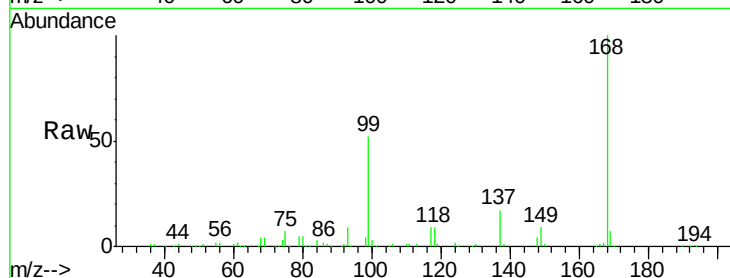
Tot Ion: 56 Resp: 10674

Ion Ratio Lower Upper

56 100

69 184.4 26.0 39.0#

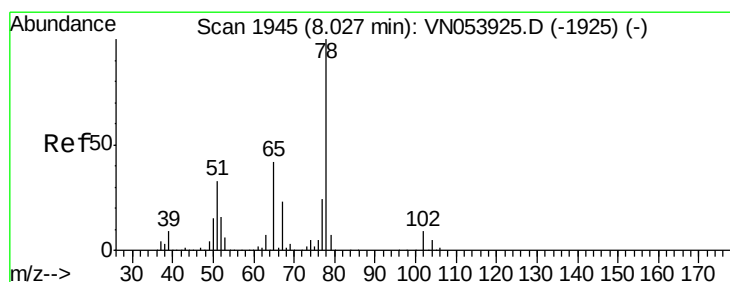
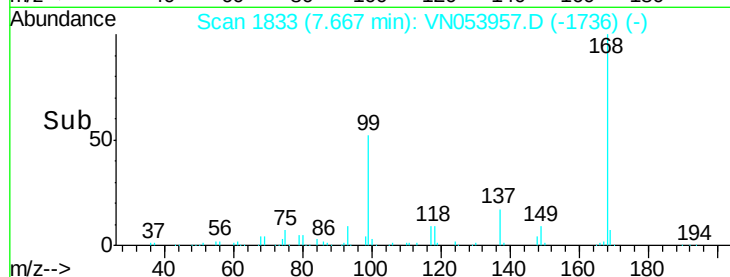
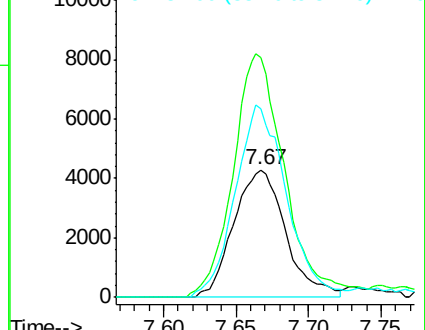
84 148.2 69.1 103.7#



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: 57.173 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053957.D

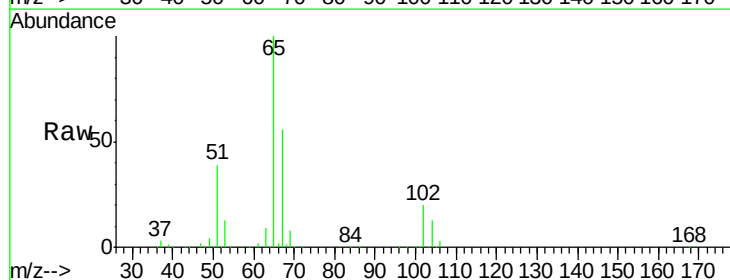
Acq: 26 Feb 2019 16:11

Tgt Ion: 65 Resp: 388303

Ion Ratio Lower Upper

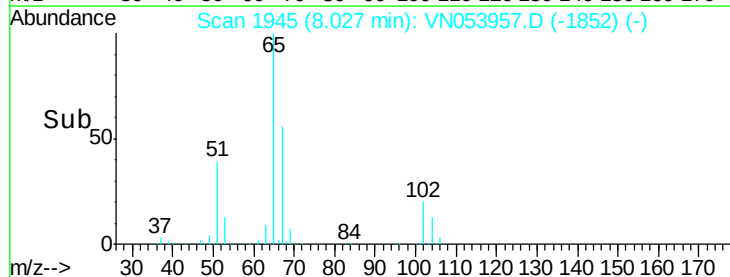
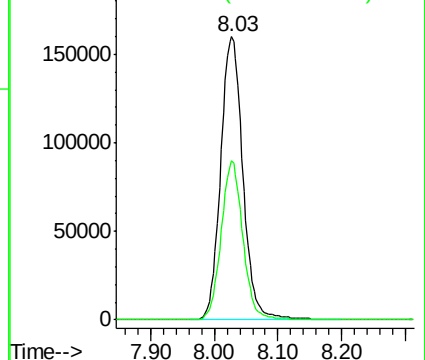
65 100

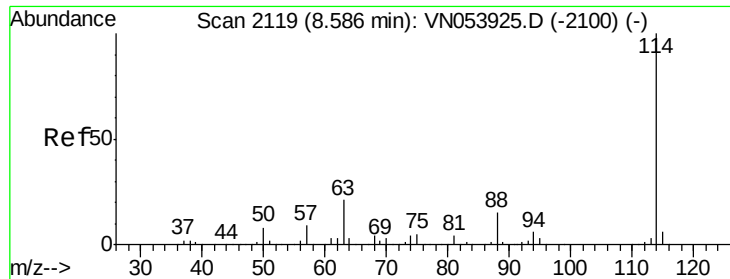
67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

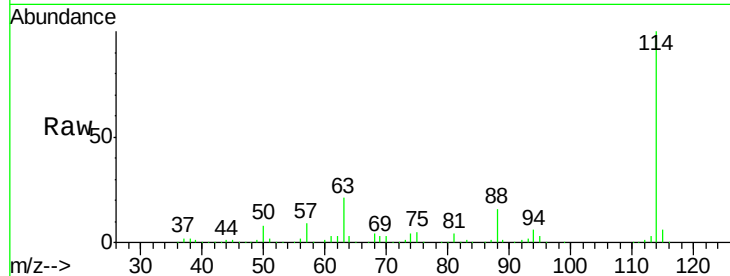




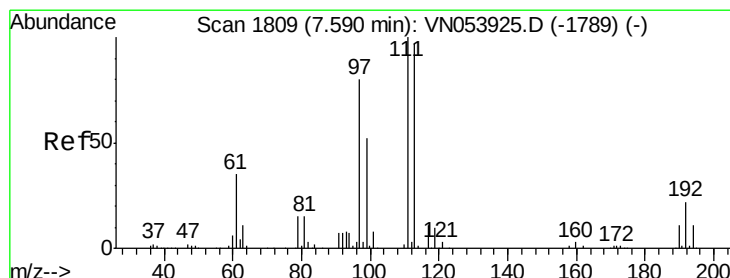
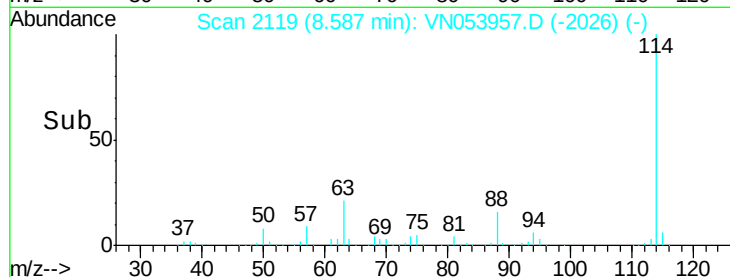
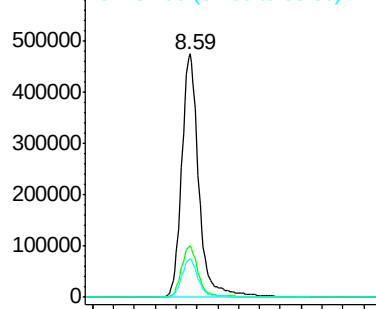
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB117375TB

Tot Ion:114 Resp: 1092753
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.4
88 15.7 0.0 30.4

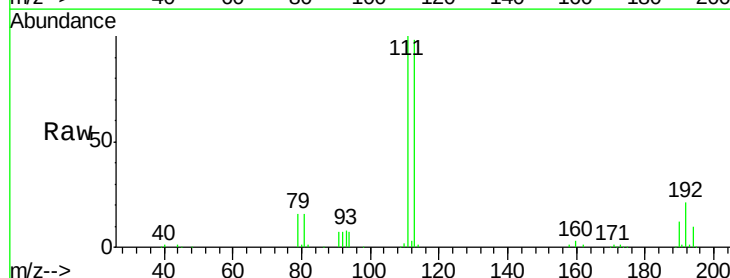


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

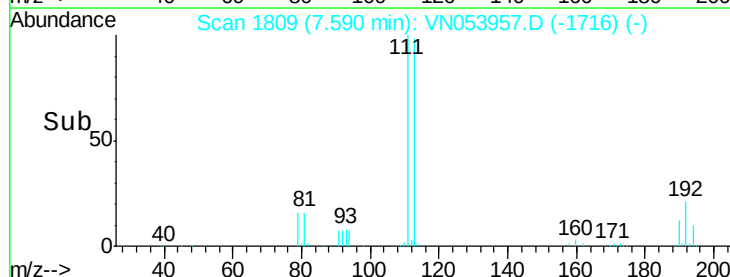
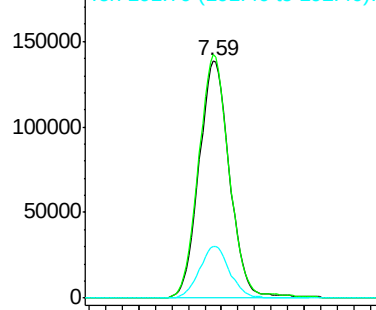


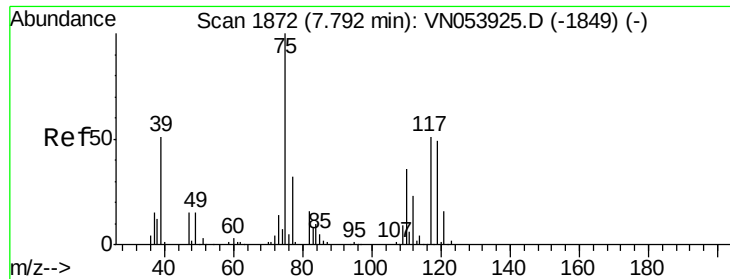
#35
Dibromofluoromethane
Concen: 50.456 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion:113 Resp: 356538
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 21.5 18.8 28.2



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: 4.026 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampled :

PB117375TB

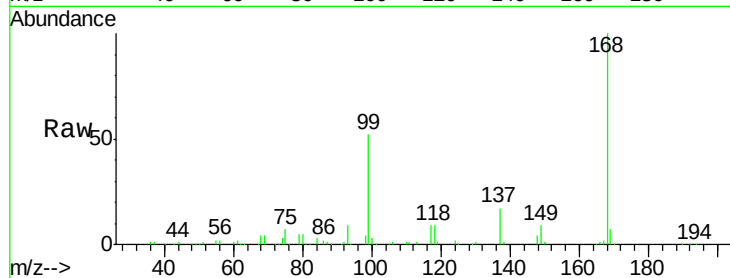
Tot Ion: 75 Resp: 40915

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

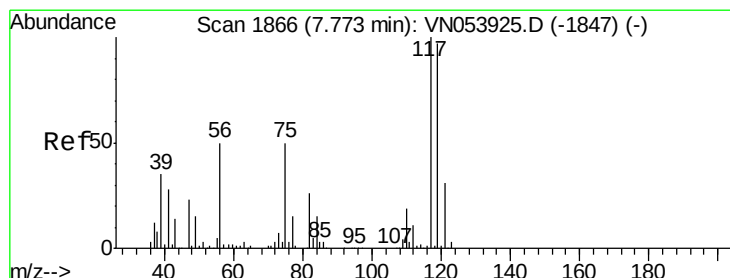
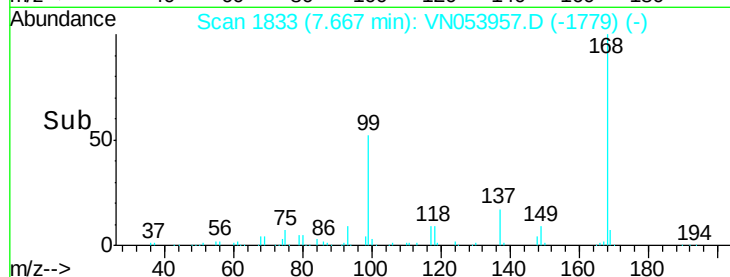
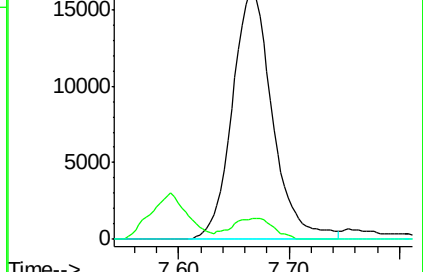
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053957.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053957.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053957.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

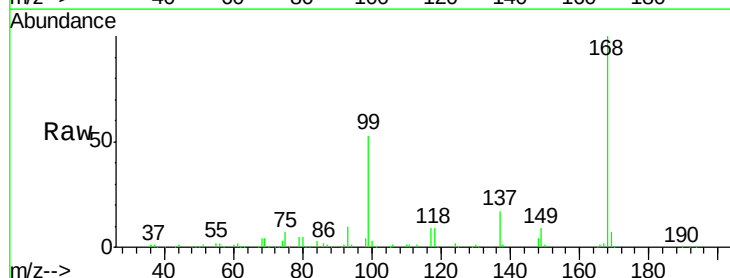
Tgt Ion: 117 Resp: 52280

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

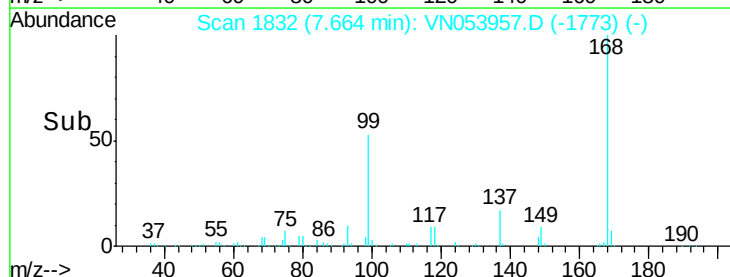
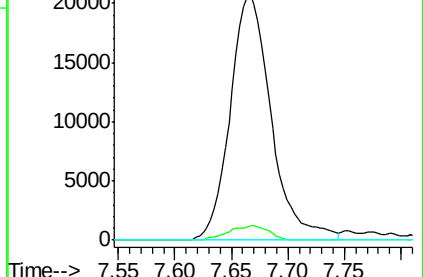
121 0.0 24.6 36.8#

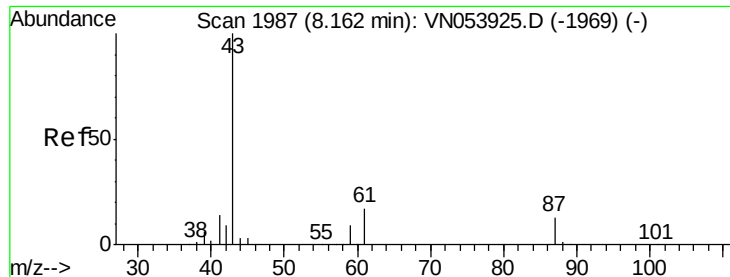


Abundance Ion 116.80 (116.50 to 117.50): VN053957.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053957.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053957.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.032 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB117375TB

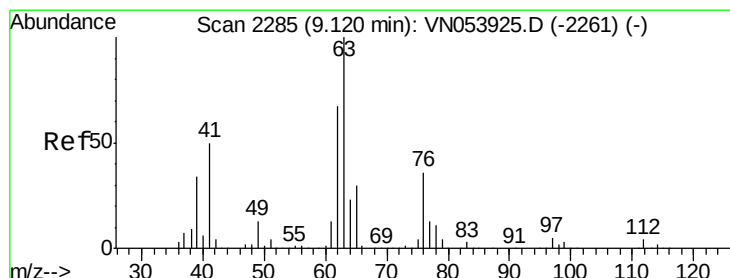
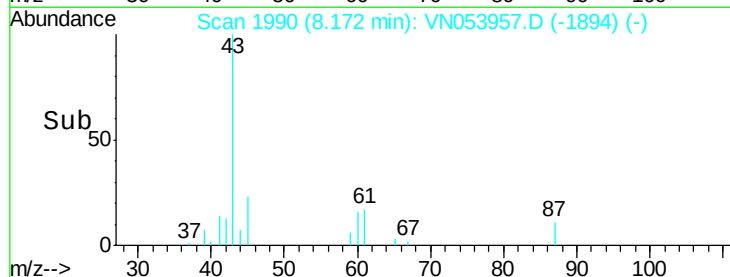
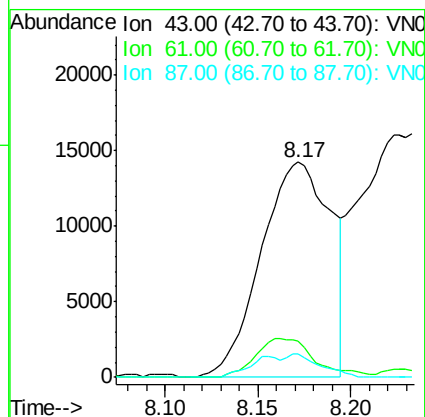
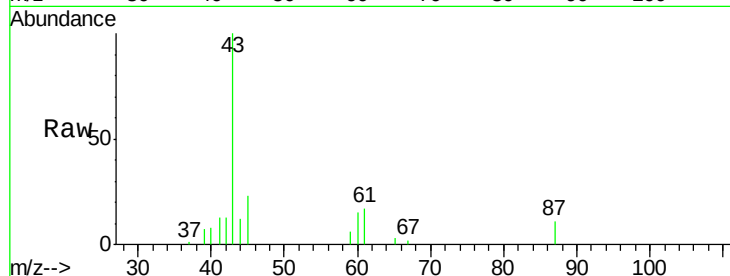
Tot Ion: 43 Resp: 37148

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

87 5.4 11.5 17.3#



#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053957.D

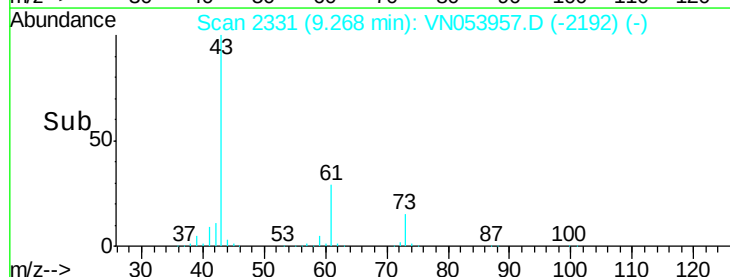
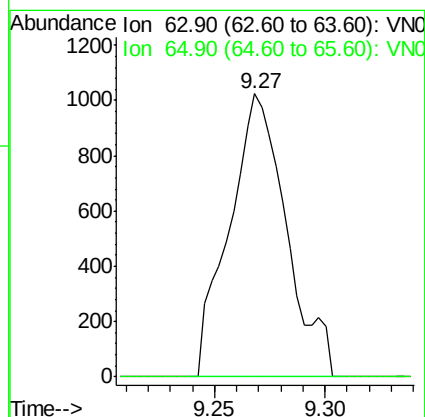
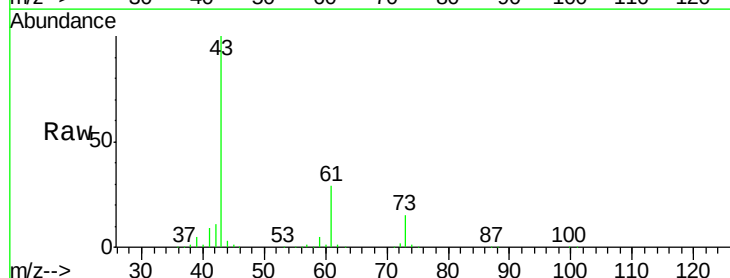
Acq: 26 Feb 2019 16:11

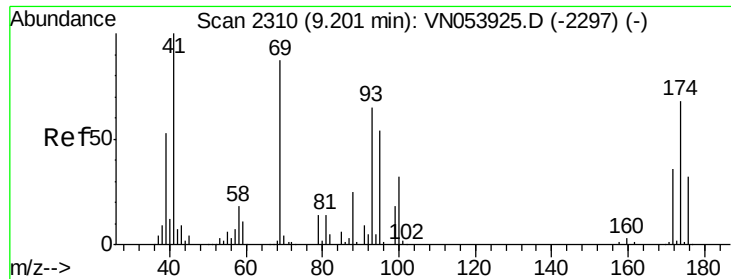
Tgt Ion: 63 Resp: 1842

Ion Ratio Lower Upper

63 100

65 0.0 24.3 36.5#

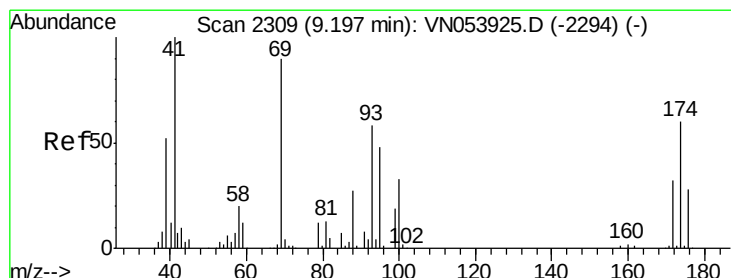
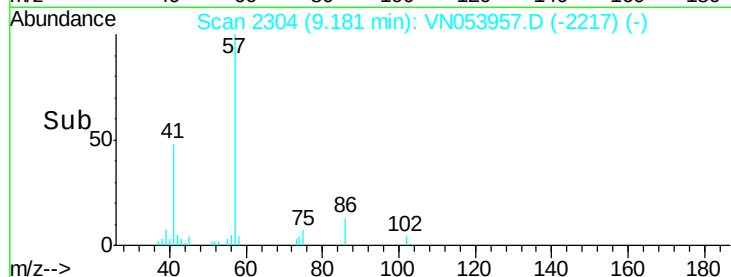
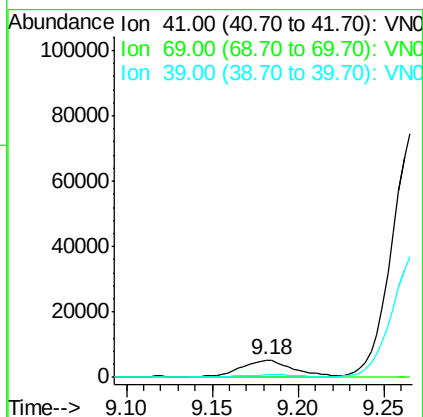
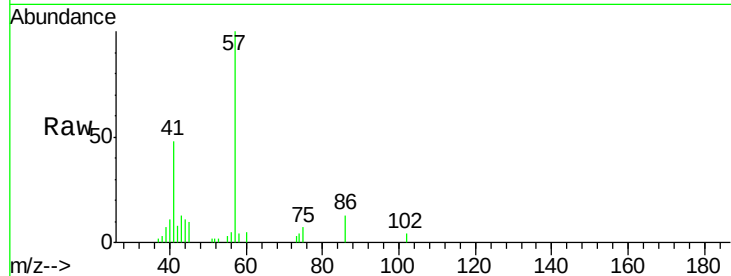




#48
Methyl methacrylate
Concen: 1.865 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

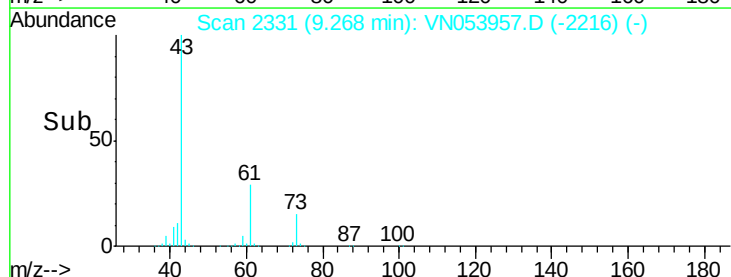
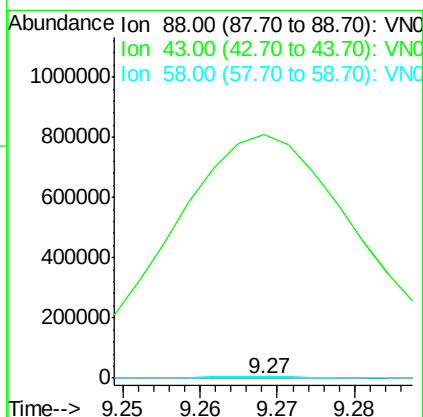
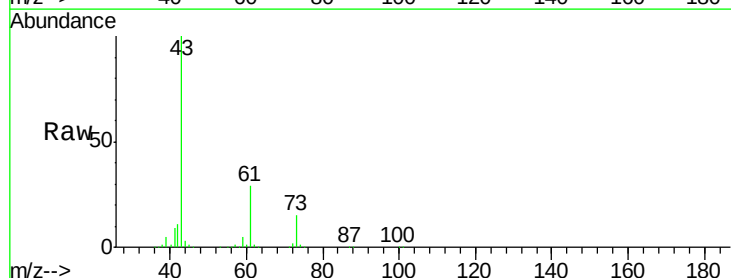
Instrument :
MSVOA_N
ClientSampleId :
PB117375TB

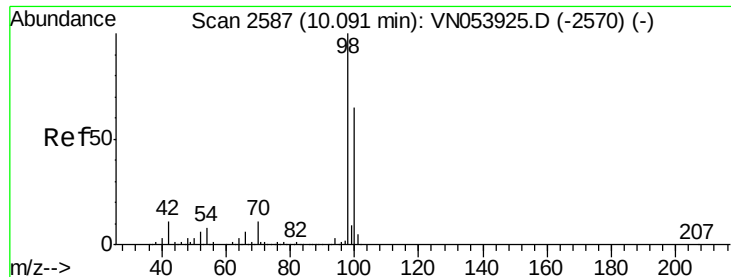
Tot Ion: 41 Resp: 10512
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 0.0 39.0 58.6#



#49
1,4-Dioxane
Concen: 1.507 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 1400520.0 21.2 31.8#
58 7233.0 54.2 81.2#

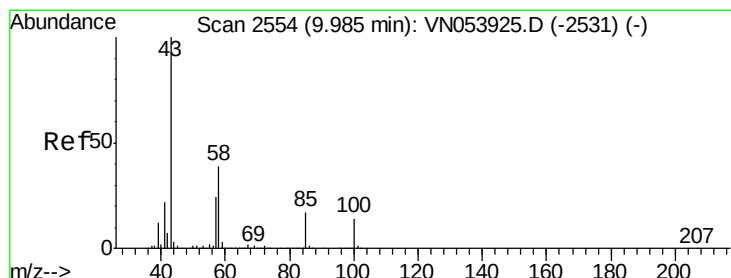
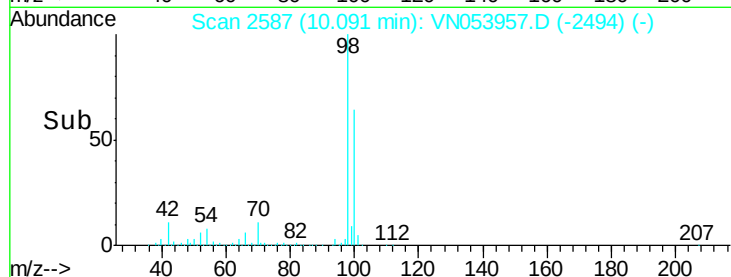
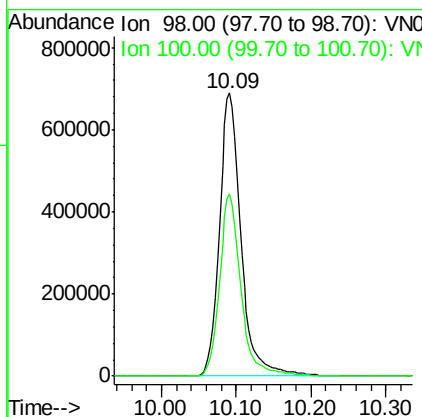
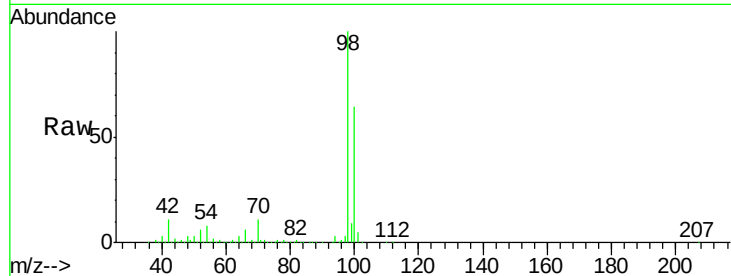




#50
Toluene-d8
Concen: 52.271 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

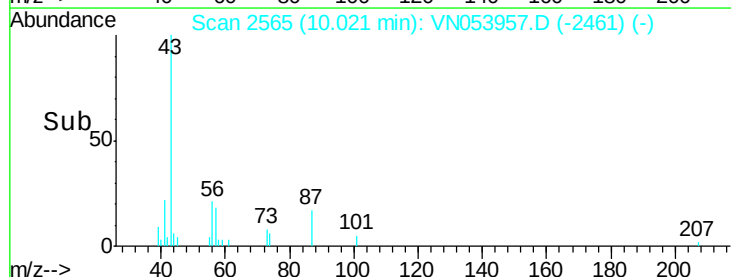
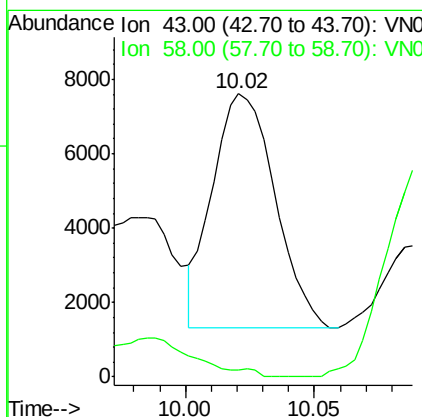
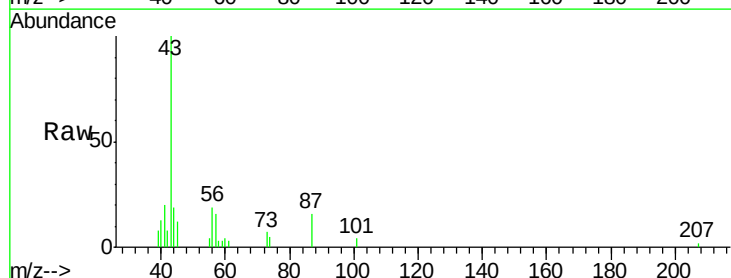
Instrument :
MSVOA_N
ClientSampled :
PB117375TB

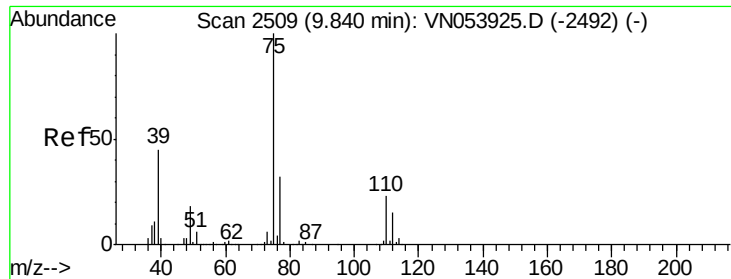
Tot Ion: 98 Resp: 1374997
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.692 ug/l
RT: 10.02 min Scan# 2565
Delta R.T. 0.04 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion: 43 Resp: 10653
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 5.978 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB117375TB

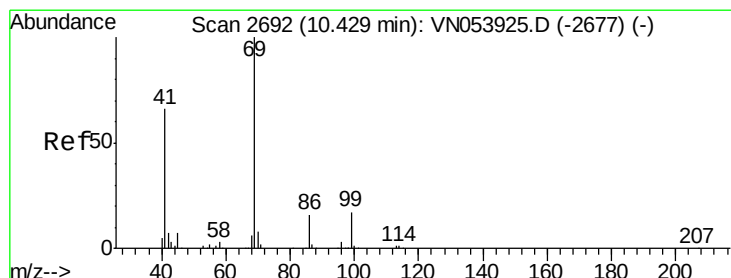
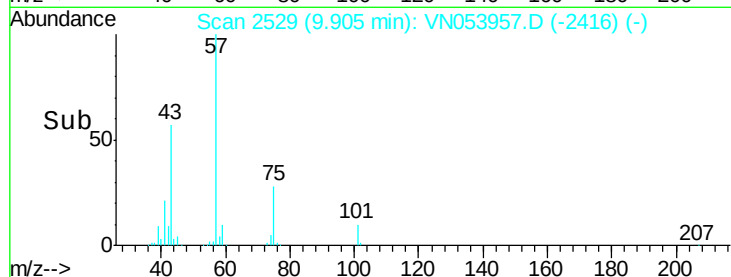
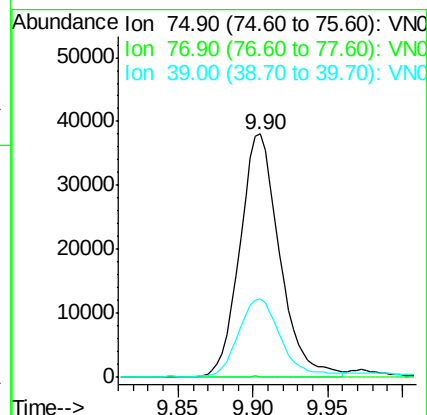
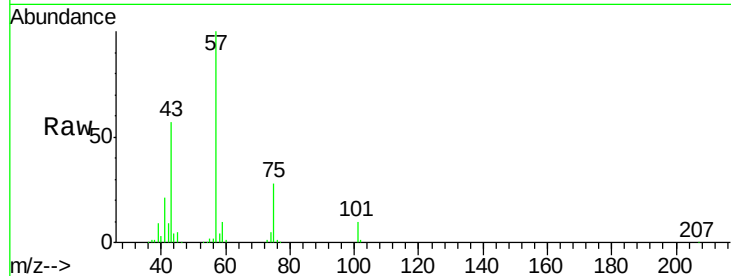
Tot Ion: 75 Resp: 70664

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 32.5 31.4 47.0



#56

Ethyl methacrylate

Concen: 2.146 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

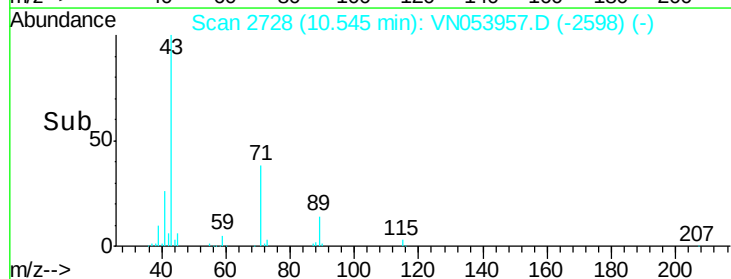
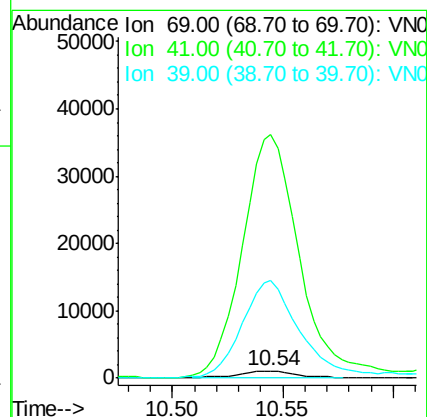
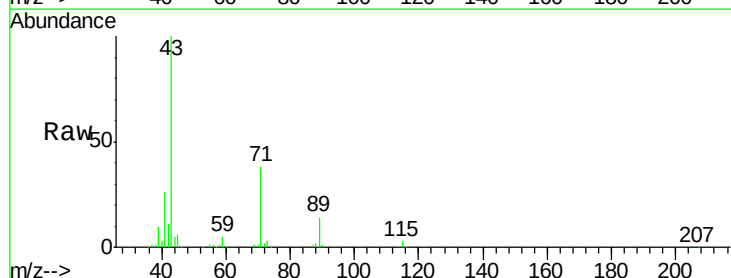
Tgt Ion: 69 Resp: 1793

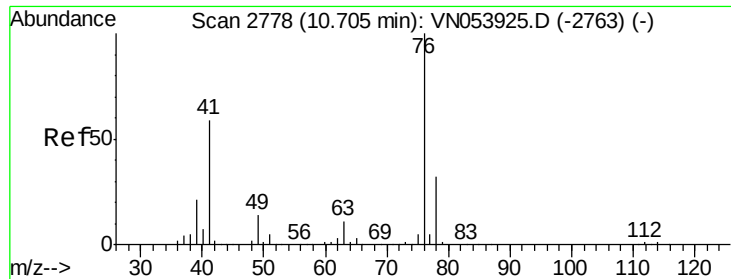
Ion Ratio Lower Upper

69 100

41 3655.2 47.5 71.3#

39 1473.8 23.4 35.0#

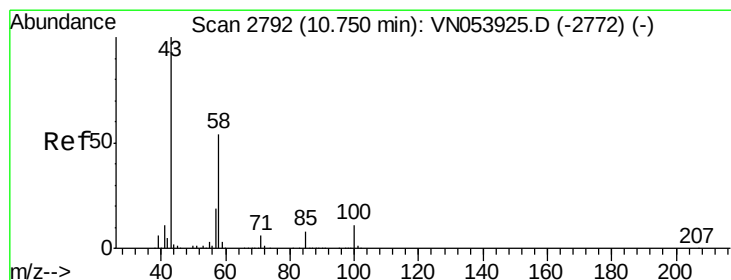
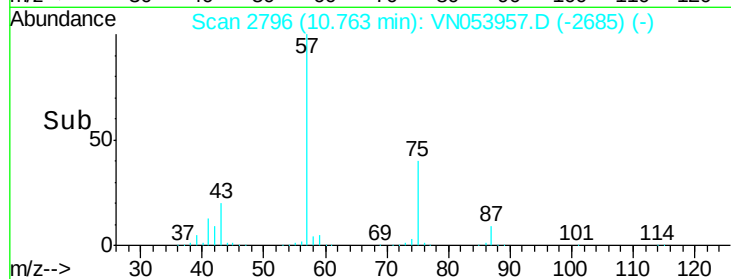
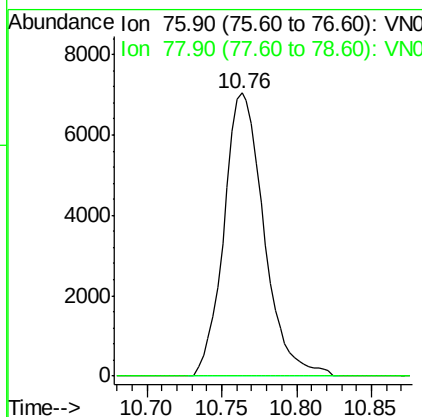
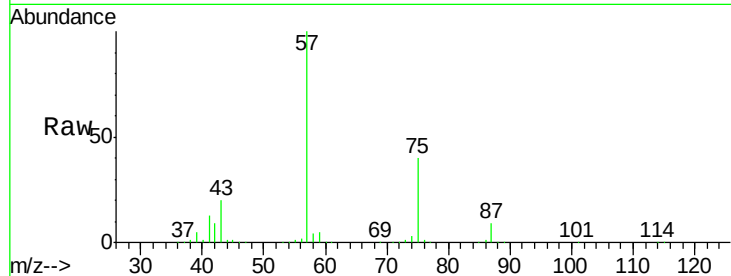




#57
 1,3-Dichloropropane
 Concen: 1.131 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053957.D
 Acq: 26 Feb 2019 16:11

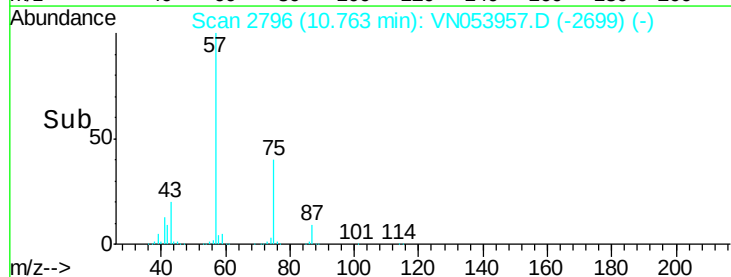
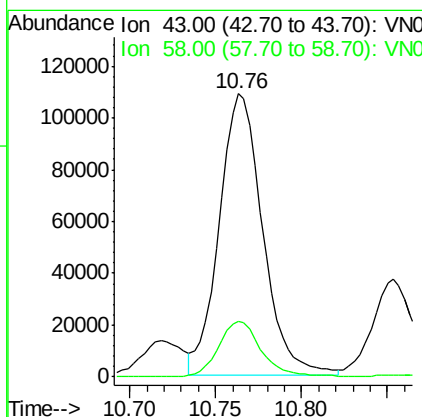
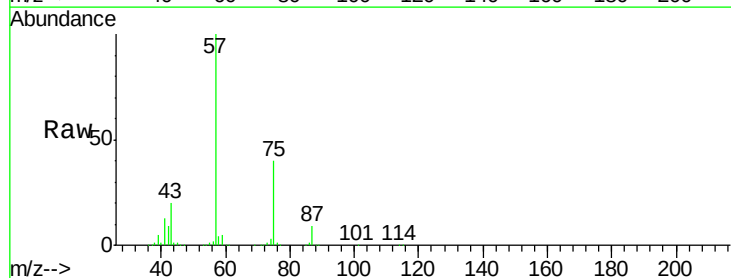
Instrument :
 MSVOA_N
 ClientSampled :
 PB117375TB

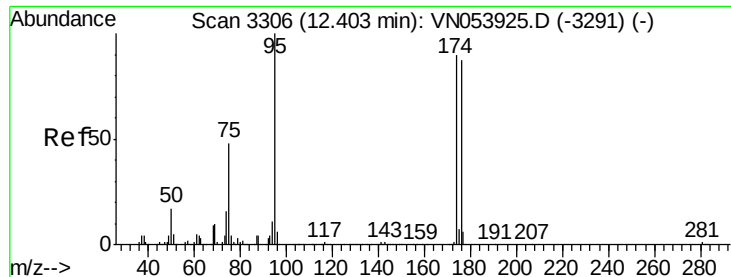
Tot Ion: 76 Resp: 13119
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 46.498 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053957.D
 Acq: 26 Feb 2019 16:11

Tgt Ion: 43 Resp: 190392
 Ion Ratio Lower Upper
 43 100
 58 19.7 29.1 87.4#

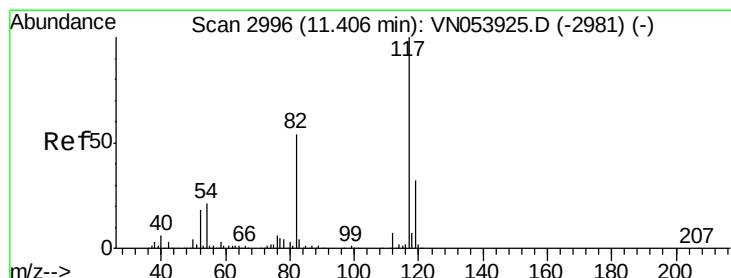
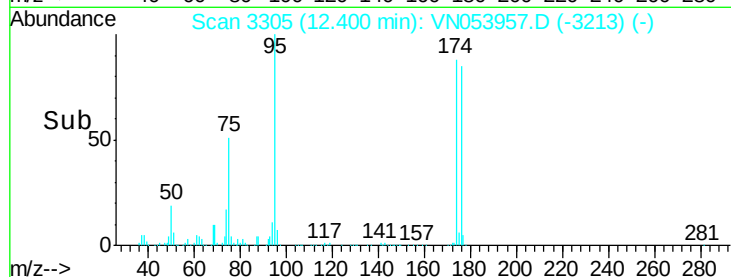
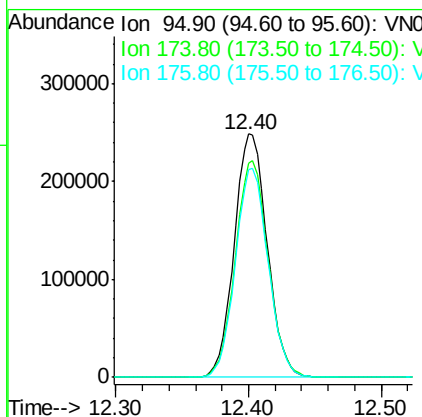
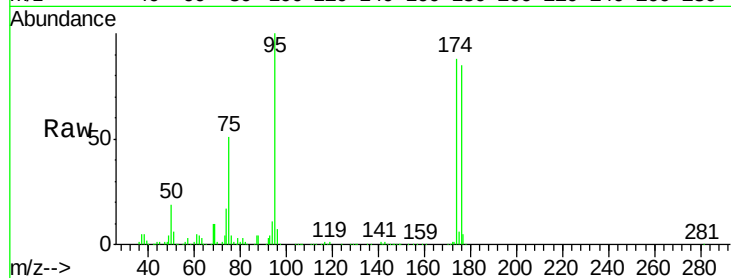




#62
4-Bromofluorobenzene
Concen: 49.007 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

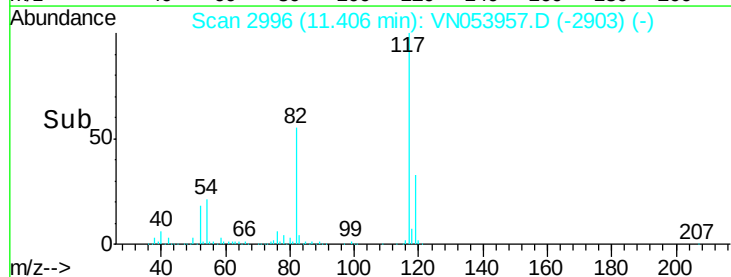
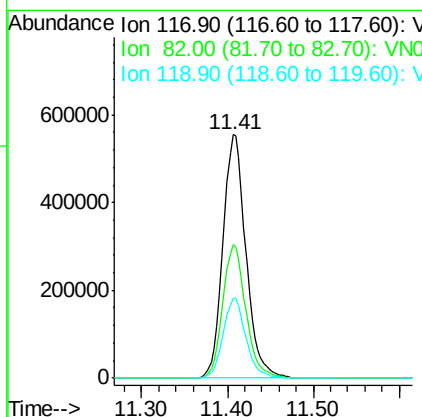
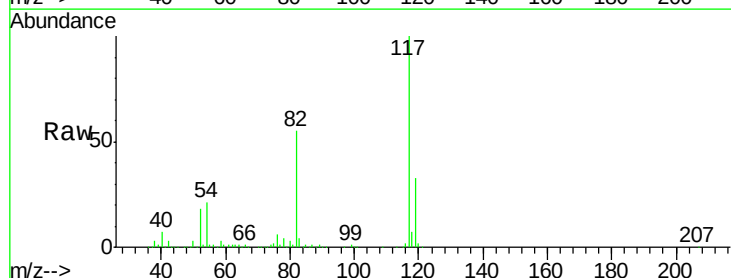
Instrument :
MSVOA_N
ClientSampleId :
PB117375TB

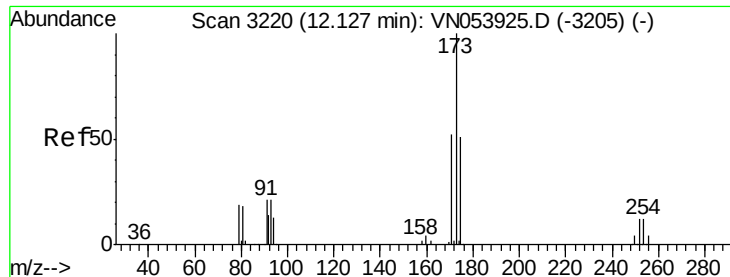
Tot Ion: 95 Resp: 429502
Ion Ratio Lower Upper
95 100
174 88.8 0.0 188.8
176 85.3 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion: 117 Resp: 1032031
Ion Ratio Lower Upper
117 100
82 54.7 41.4 62.2
119 32.6 25.3 37.9





#71

Bromoform

Concen: 0.675 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB117375TB

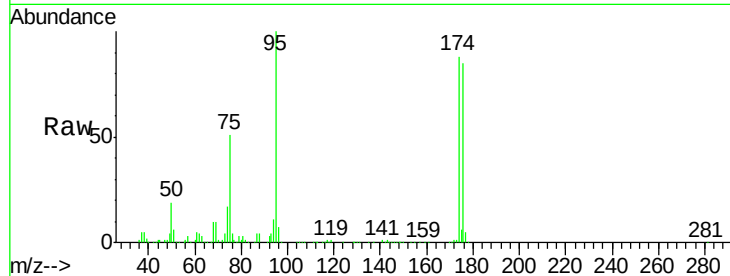
Tot Ion:173 Resp: 3684

Ion Ratio Lower Upper

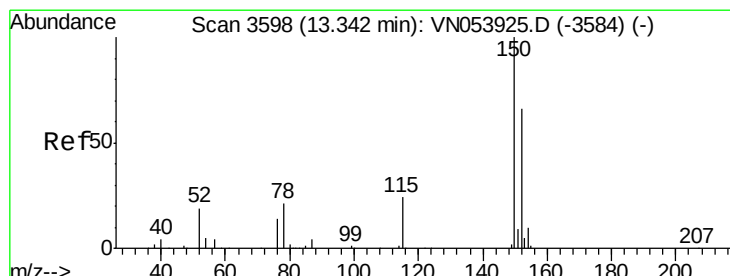
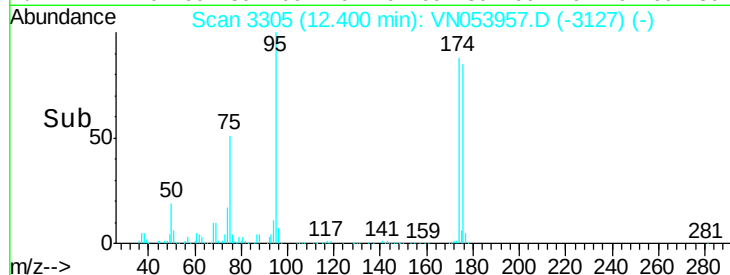
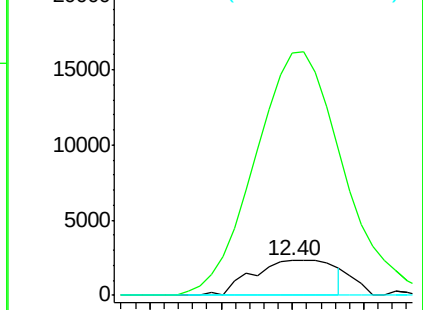
173 100

175 642.0 24.3 72.8#

254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

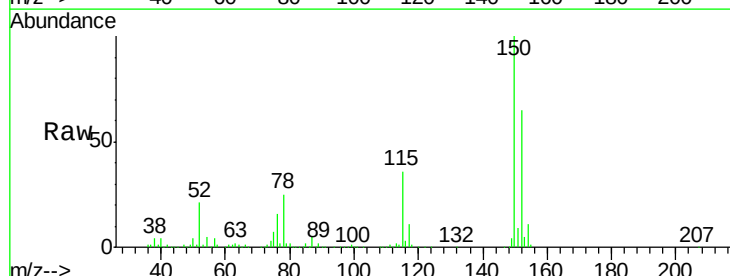
Tgt Ion:152 Resp: 355362

Ion Ratio Lower Upper

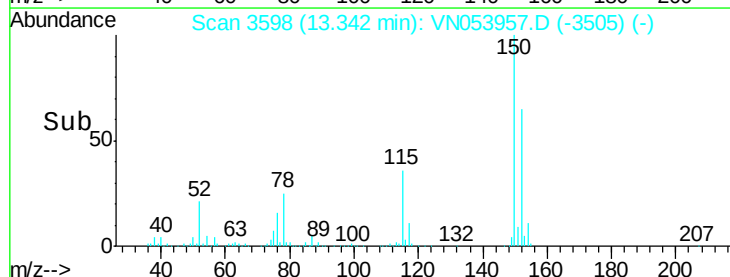
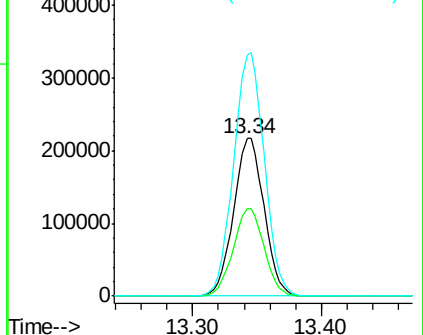
152 100

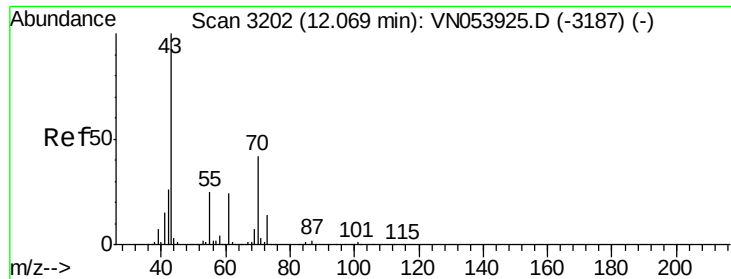
115 56.3 27.2 81.6

150 155.6 0.0 348.2



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

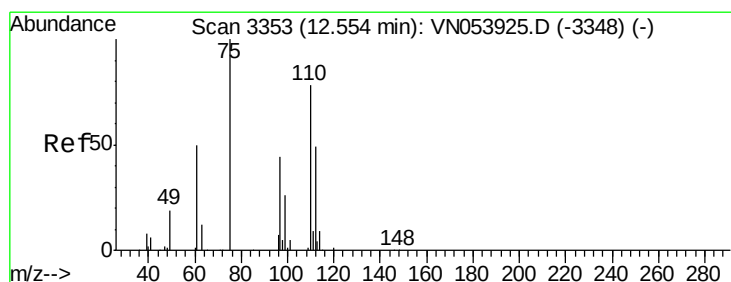
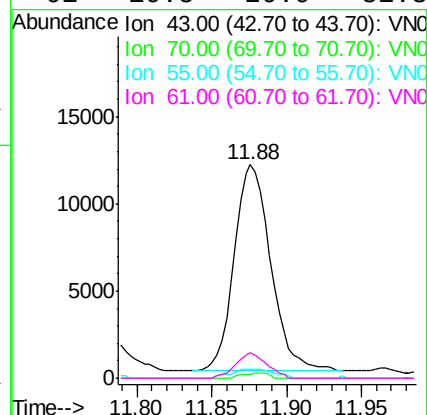
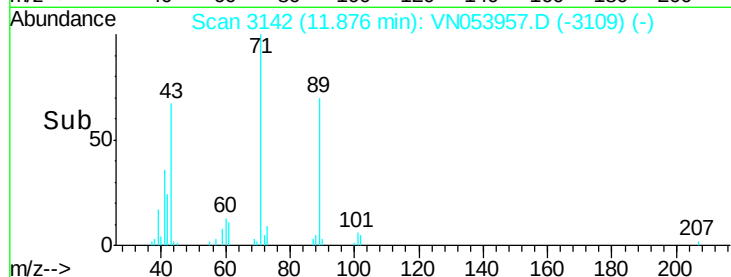
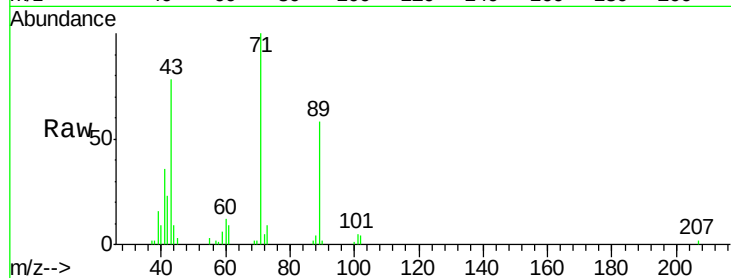




#74
N-amvl acetate
Concen: 2.772 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

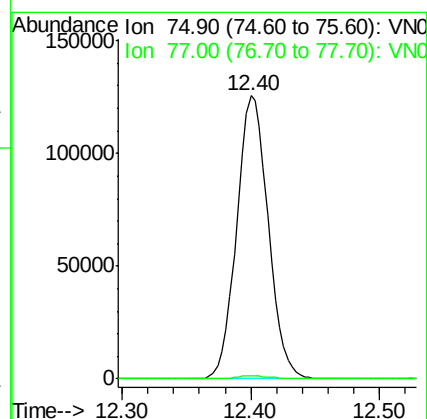
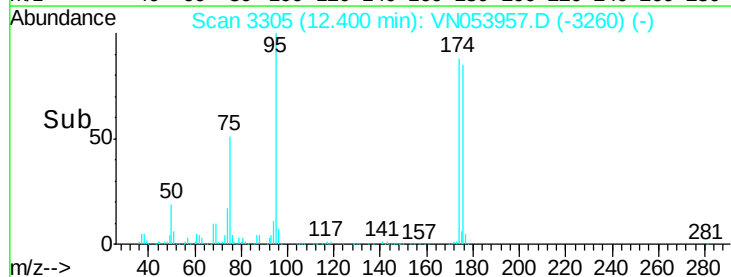
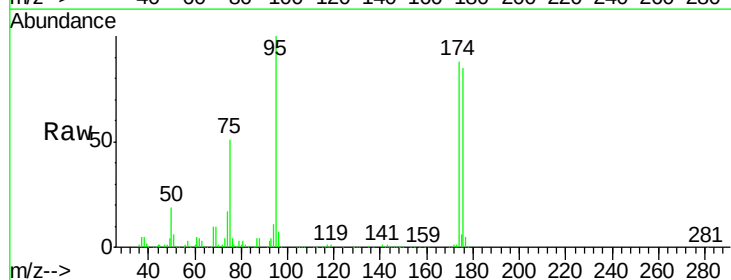
Instrument :
MSVOA_N
ClientSampled :
PB117375TB

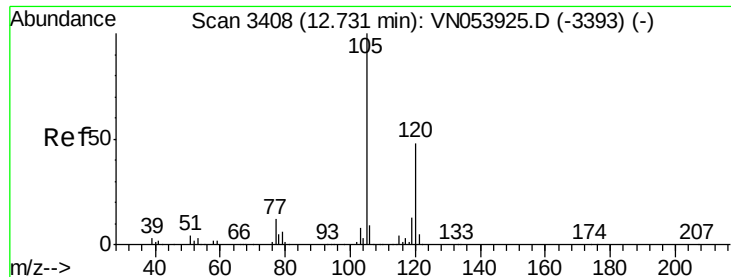
Tot Ion: 43 Resp: 20096
Ion Ratio Lower Upper
43 100
70 1.9 37.4 56.2#
55 5.3 21.4 32.0#
61 10.5 20.9 31.3#



#76
1,2,3-Trichloropropane
Concen: 37.423 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053957.D
Acq: 26 Feb 2019 16:11

Tgt Ion: 75 Resp: 213335
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

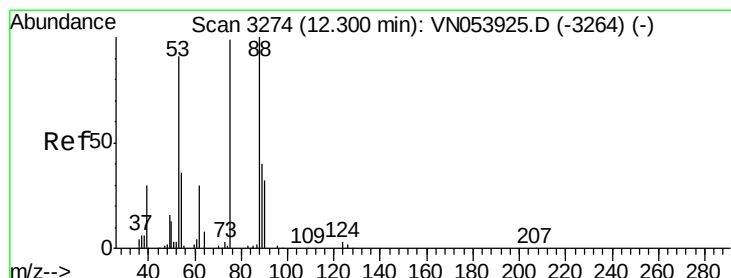
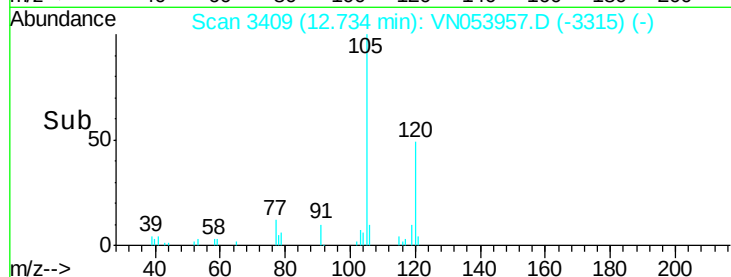
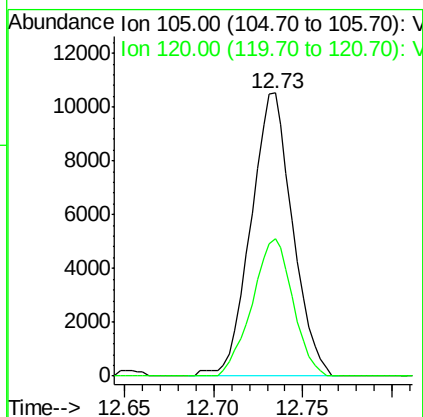
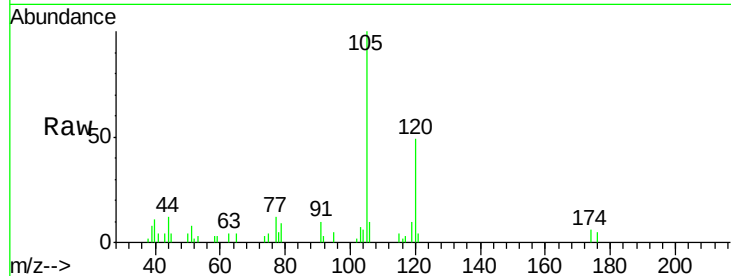




#80
 1,3,5-Trimethylbenzene
 Concen: 0.758 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053957.D
 Acq: 26 Feb 2019 16:11

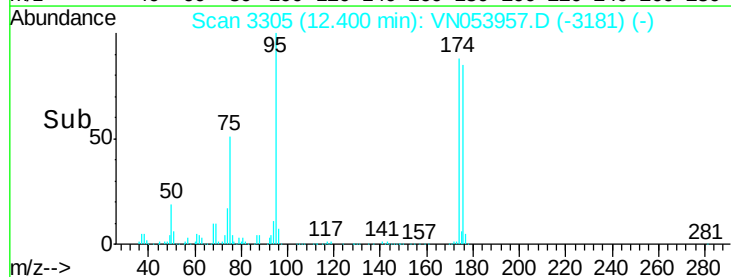
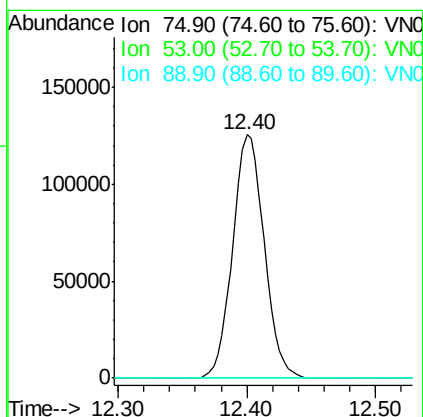
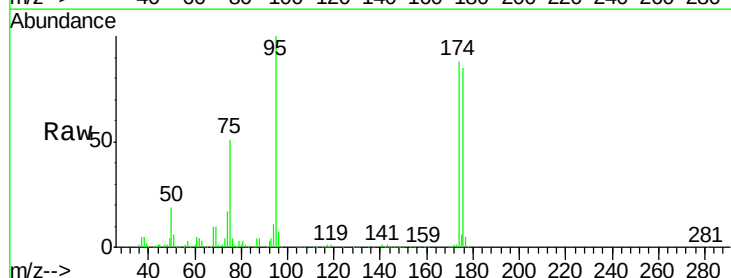
Instrument :
 MSVOA_N
 ClientSampled :
 PB117375TB

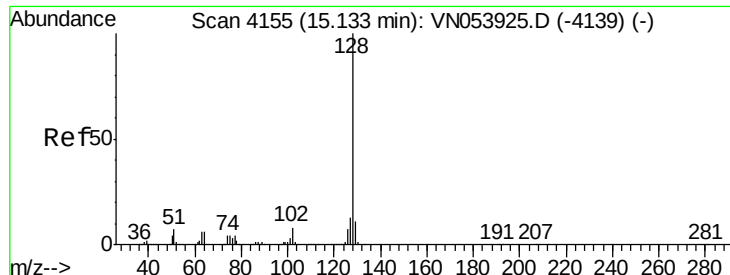
Tot Ion:105 Resp: 17163
 Ion Ratio Lower Upper
 105 100
 120 47.2 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.280 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053957.D
 Acq: 26 Feb 2019 16:11

Tgt Ion: 75 Resp: 213335
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 3.460 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053957.D

Acq: 26 Feb 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB117375TB

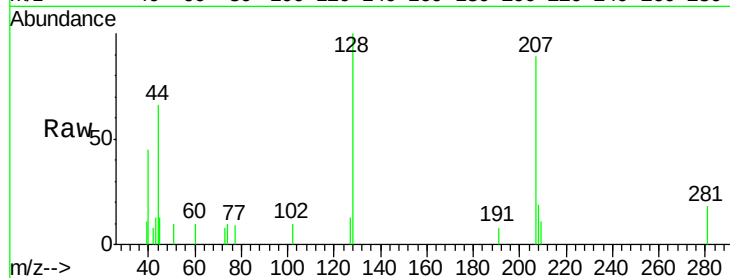
Tot Ion:128 Resp: 3737

Ion Ratio Lower Upper

128 100

127 7.8 10.2 15.2#

129 0.8 8.6 12.8#



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

