

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053257.D
 Acq On : 3 Jan 2019 12:56
 Operator : MD\SY
 Sample : PB116111ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#02

Quant Time: Jan 04 00:53:34 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	1238209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1926590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1715474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	621874	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	613028	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	7.59	113	529490	60.16	ug/l	0.00
Spiked Amount			Recovery	=	120.32%	
50) Toluene-d8	10.09	98	2359865	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	754614	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

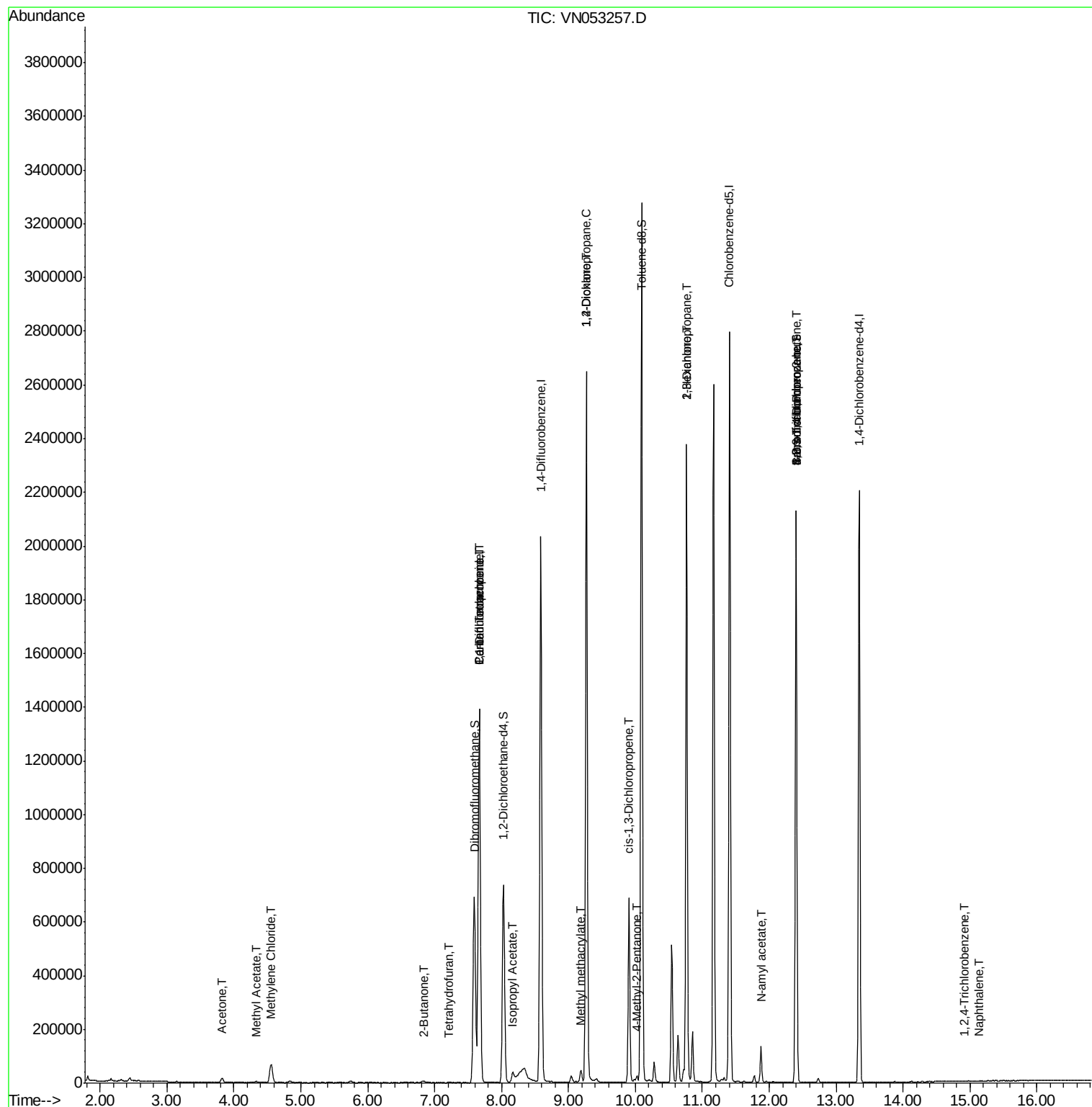
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	29492	11.971	ug/l	99
18) Methyl Acetate	4.33	43	7660	1.663	ug/l #	80
20) Methylene Chloride	4.56	84	52605	3.914	ug/l	98
25) 2-Butanone	6.85	43	3431	0.830	ug/l #	80
29) Tetrahydrofuran	7.22	42	1342	0.435	ug/l #	50
31) Cyclohexane	7.67	56	19445	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	80186	4.336	ug/l #	49
38) Carbon Tetrachloride	7.67	117	107693	6.354	ug/l #	15
43) Isopropyl Acetate	8.17	43	55042	1.747	ug/l #	84
45) 1,2-Dichloropropane	9.26	63	3352	0.234	ug/l #	44
48) Methyl methacrylate	9.18	41	15569	1.554	ug/l #	12
49) 1,4-Dioxane	9.27	88	224	1.768	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	18245	1.825	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	128841	6.017	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	24372	1.195	ug/l #	42
59) 2-Hexanone	10.76	43	335436	49.592	ug/l #	51
71) Bromoform	12.40	173	4710	0.493	ug/l #	1
74) N-amyl acetate	11.88	43	39724	2.941	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	351665	33.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	351665	108.272	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	159	0.610	ug/l #	41
95) Naphthalene	15.13	128	504	1.167	ug/l #	69

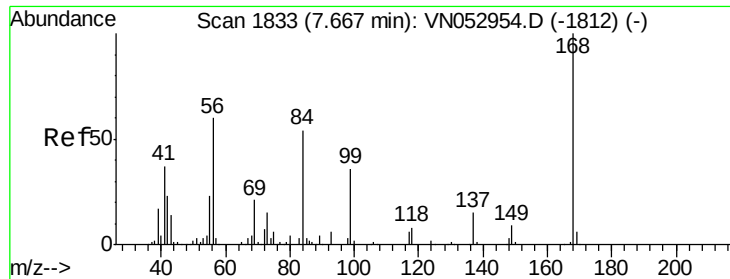
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
Data File : VN053257.D
Acq On : 3 Jan 2019 12:56
Operator : MD\SY
Sample : PB116111ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
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Quant Time: Jan 04 00:53:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

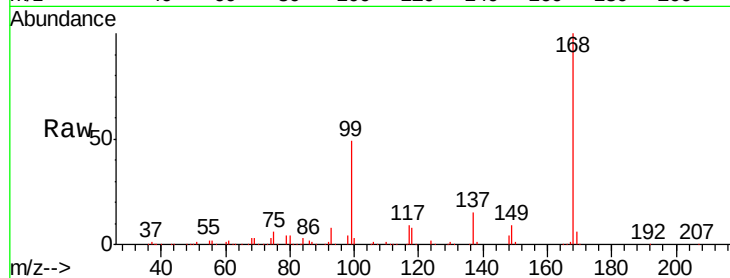
PB116111ZHE#02

Tgt Ion:168 Resp: 1238209

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053257.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053257.D (-1740) (-)

7.67

600000

500000

400000

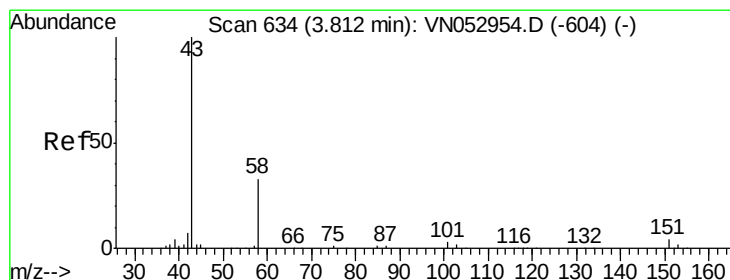
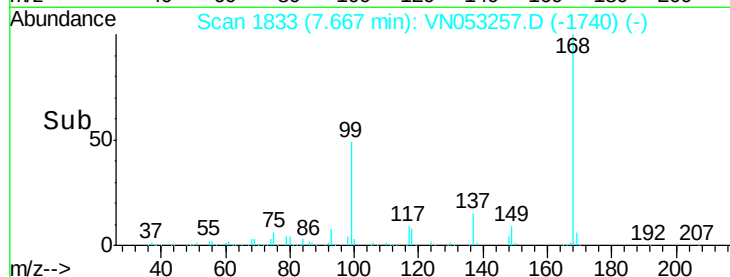
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.971 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053257.D

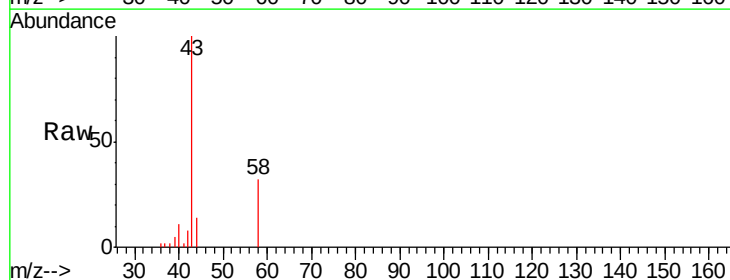
Acq: 3 Jan 2019 12:56

Tgt Ion: 43 Resp: 29492

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053257.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053257.D (-541) (-)

3.82

12000

10000

8000

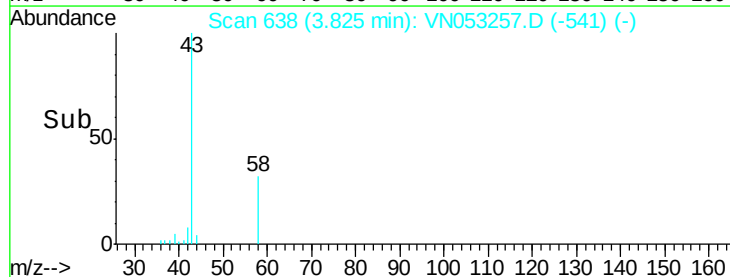
6000

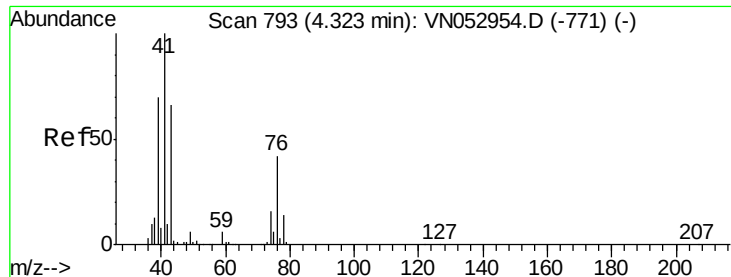
4000

2000

0

Time-->

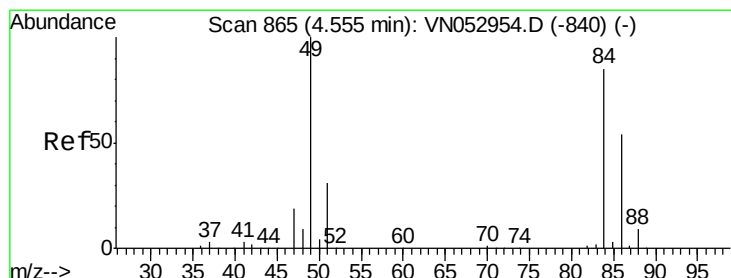
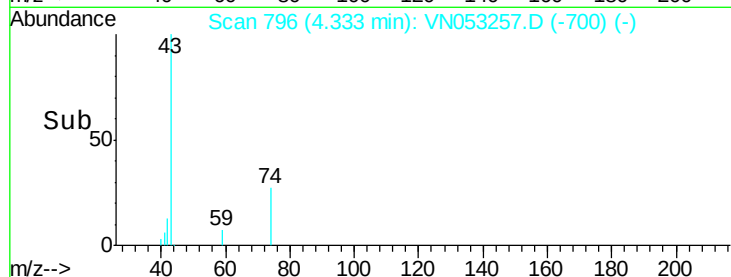
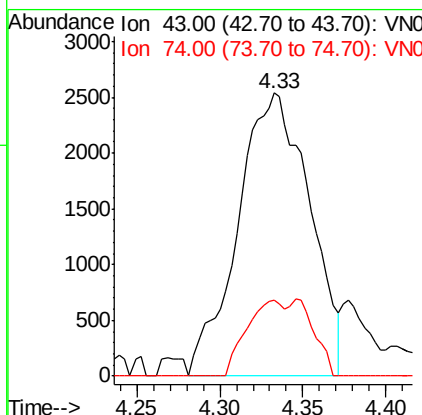
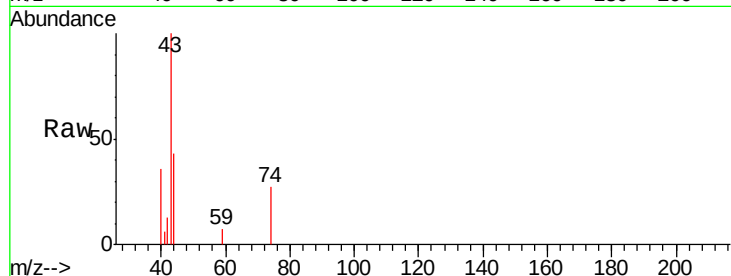




#18
Methyl Acetate
Concen: 1.663 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053257.D
Acq: 3 Jan 2019 12:56

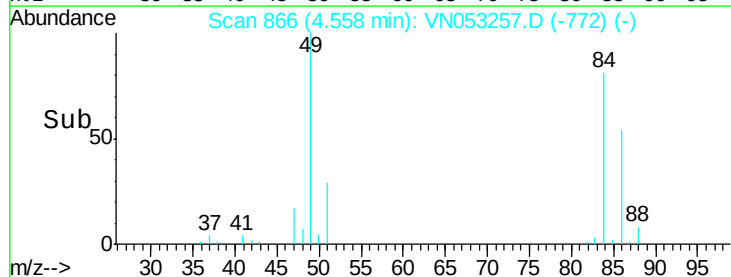
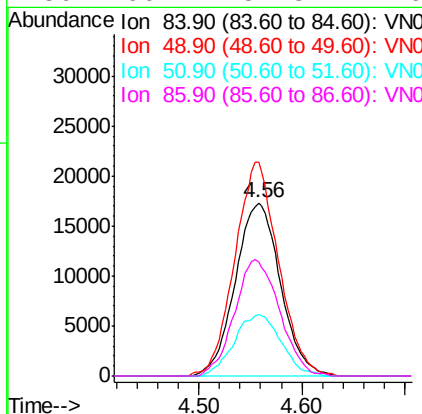
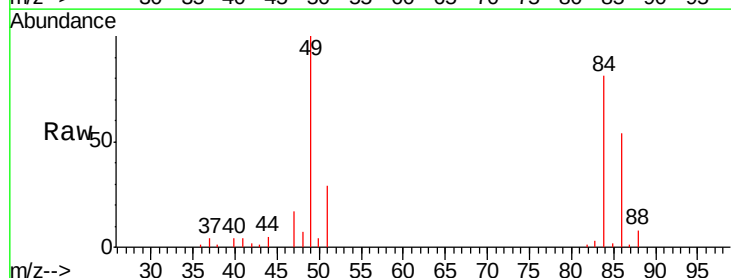
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#02

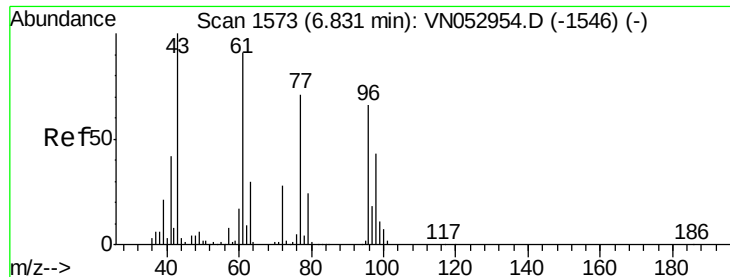
Tgt Ion: 43 Resp: 7660
Ion Ratio Lower Upper
43 100
74 14.1 19.2 28.8#



#20
Methylene Chloride
Concen: 3.914 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053257.D
Acq: 3 Jan 2019 12:56

Tgt Ion: 84 Resp: 52605
Ion Ratio Lower Upper
84 100
49 123.5 96.8 145.2
51 35.3 29.9 44.9
86 66.1 51.8 77.6





#25

2-Butanone

Concen: 0.830 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

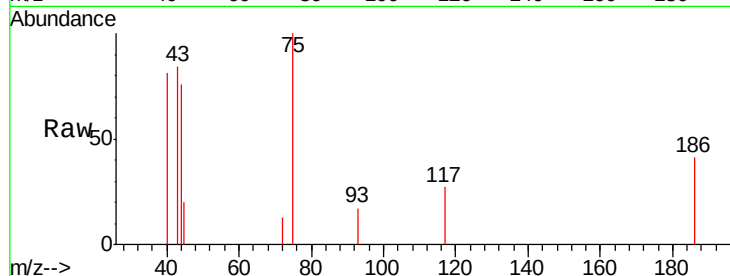
PB116111ZHE#02

Tgt Ion: 43 Resp: 3431

Ion Ratio Lower Upper

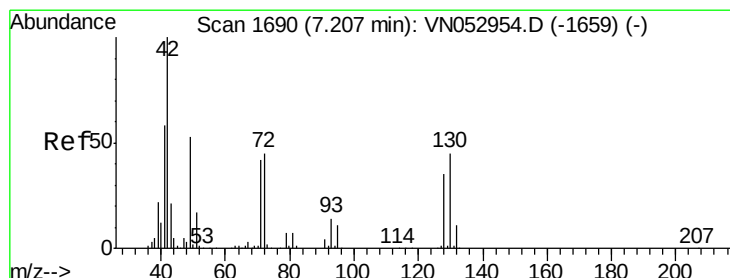
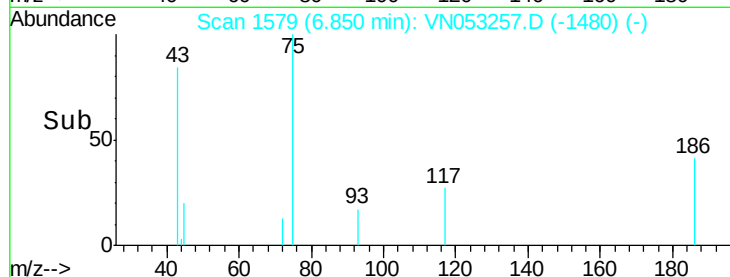
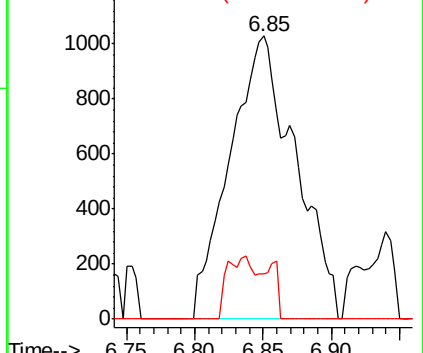
43 100

72 15.9 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

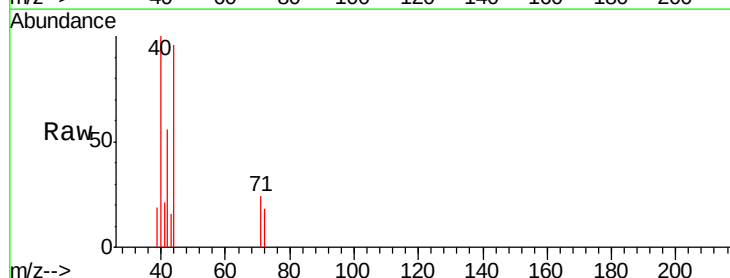
Tgt Ion: 42 Resp: 1342

Ion Ratio Lower Upper

42 100

72 20.1 34.7 52.1#

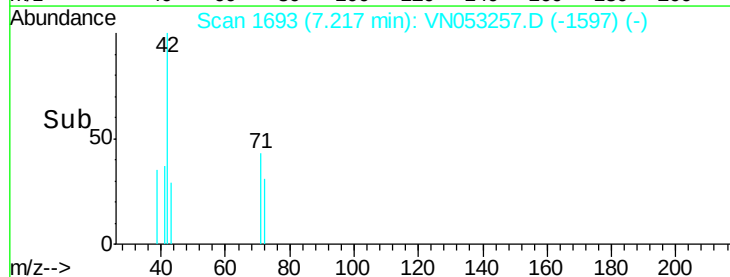
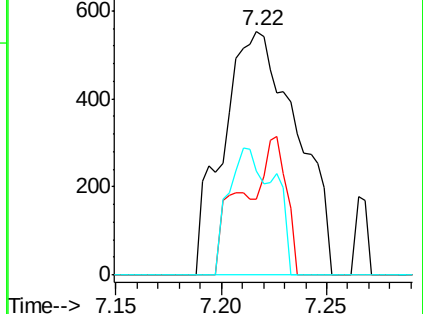
71 0.0 32.3 48.5#

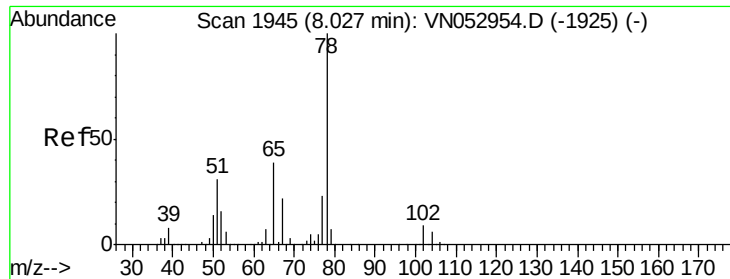


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

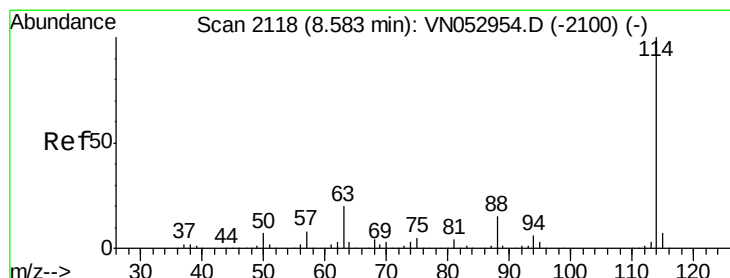
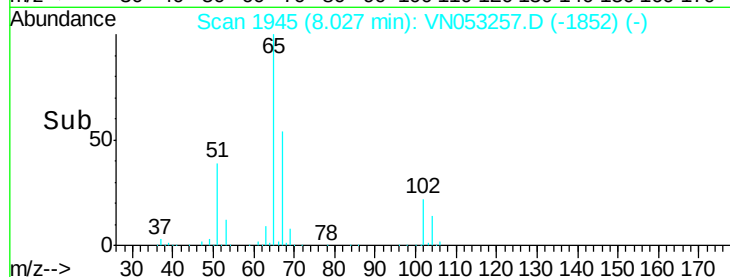
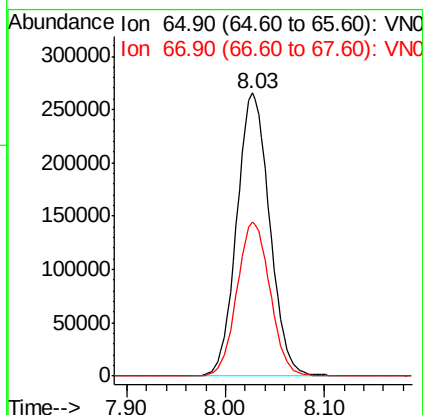
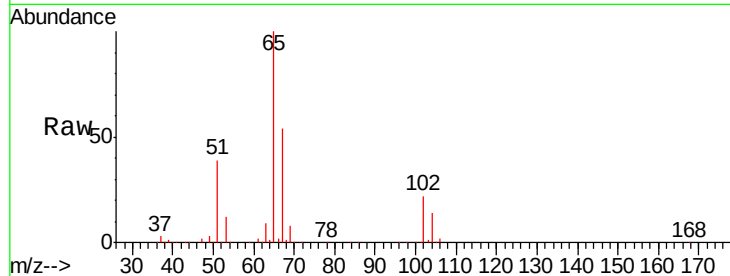




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

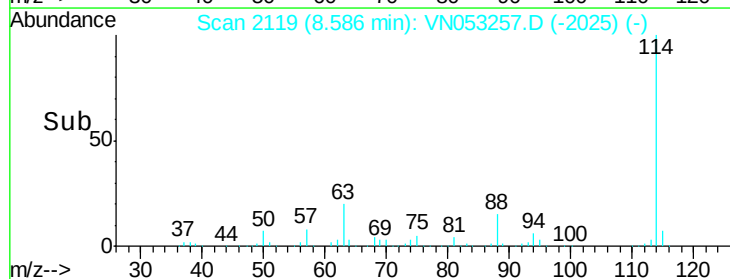
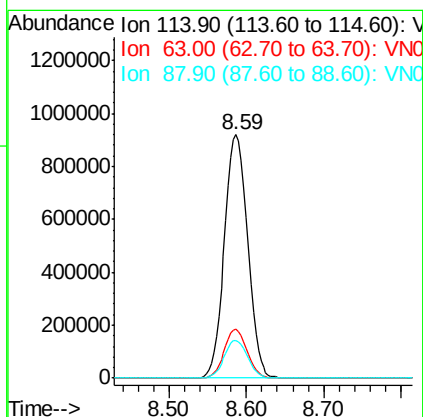
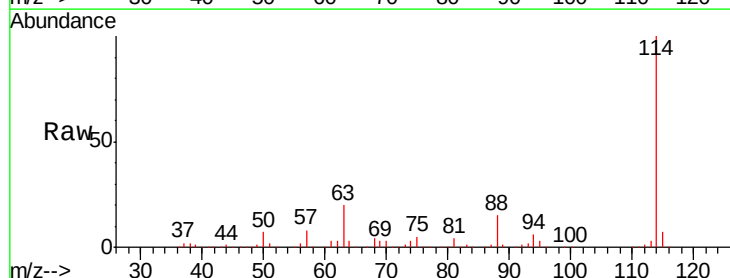
Instrument :
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 PB116111ZHE#02

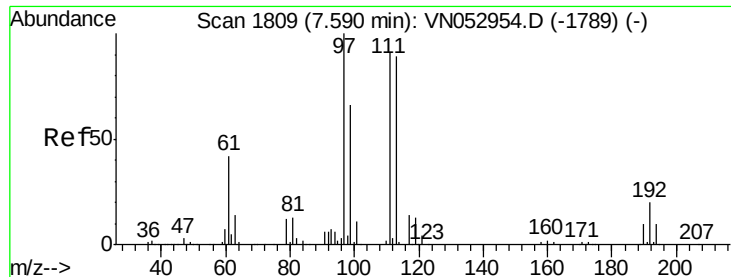
Tgt Ion: 65 Resp: 613028
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion: 114 Resp: 1926590
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 31.0

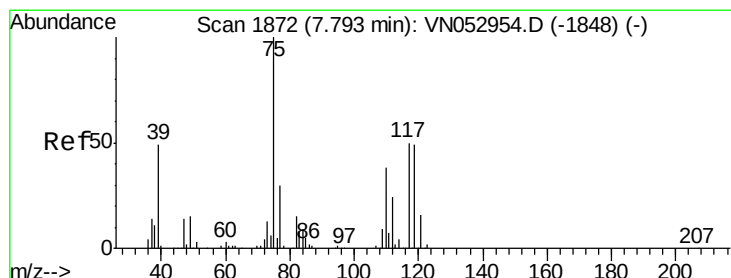
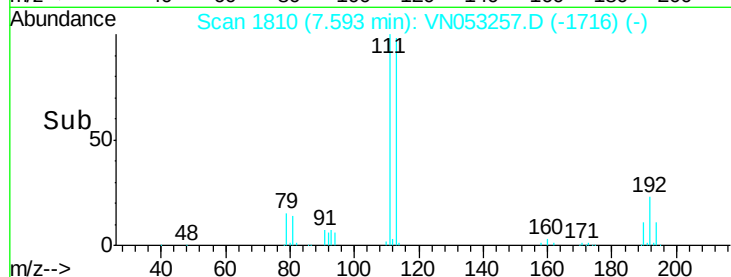
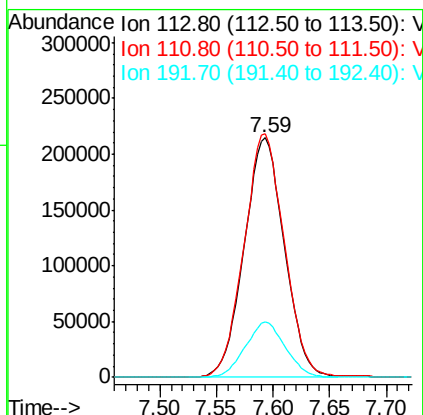
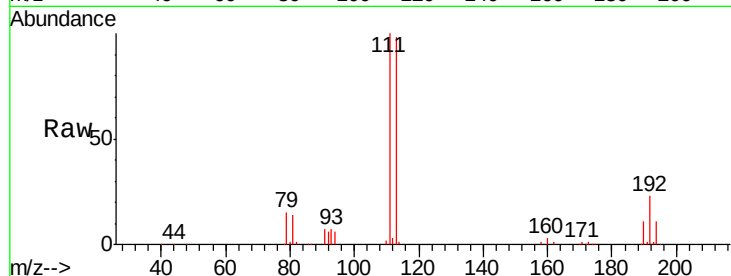




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

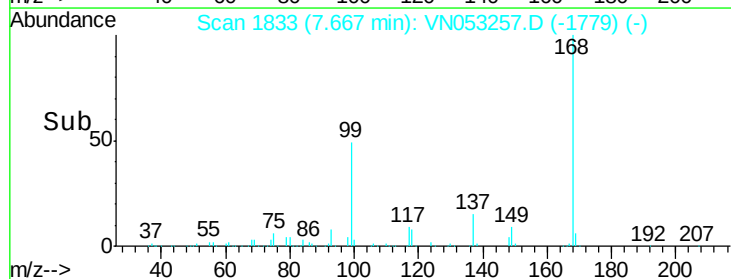
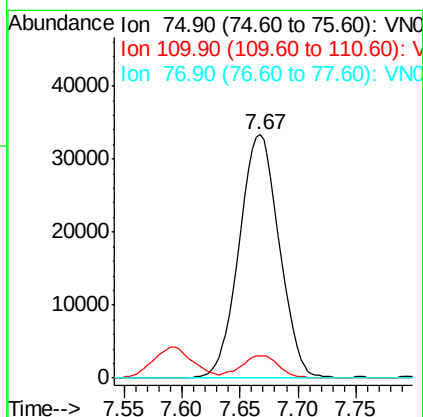
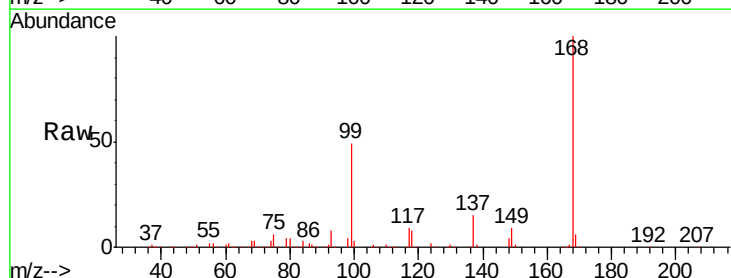
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#02

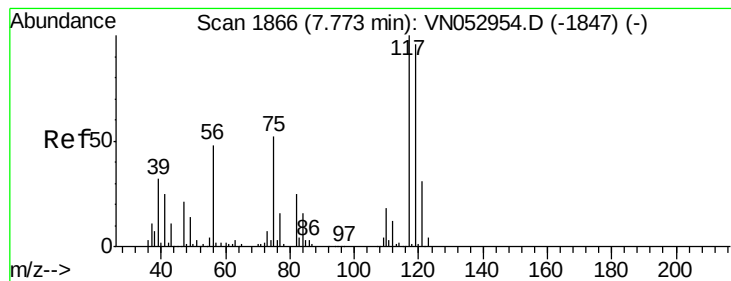
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	22.9	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.336 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.354 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02

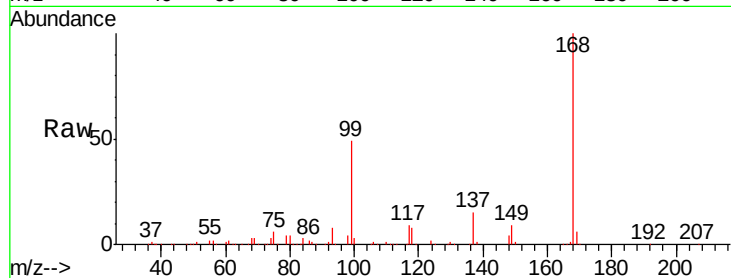
Tgt Ion:117 Resp: 107693

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

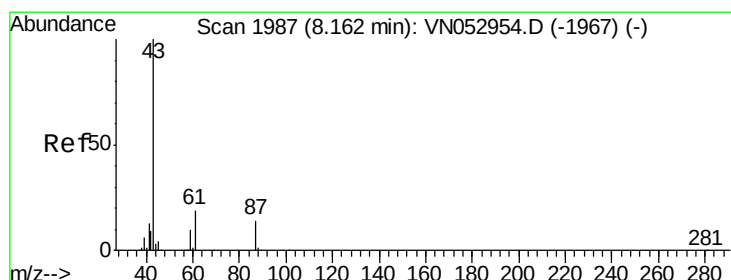
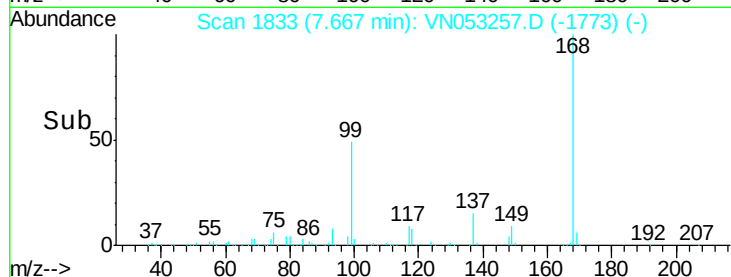
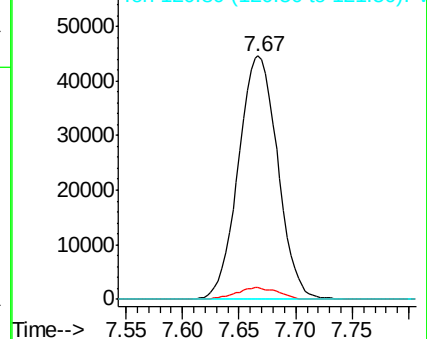
121 0.0 24.9 37.3#



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: 1.747 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

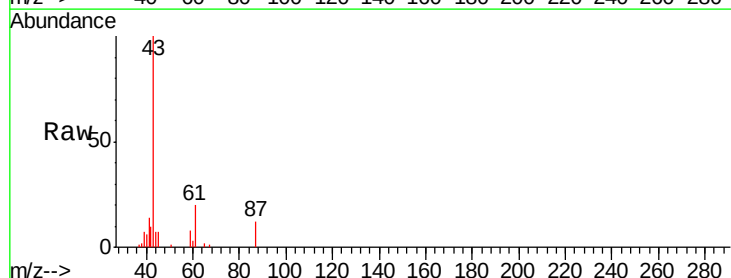
Tgt Ion: 43 Resp: 55042

Ion Ratio Lower Upper

43 100

61 17.7 22.9 34.3#

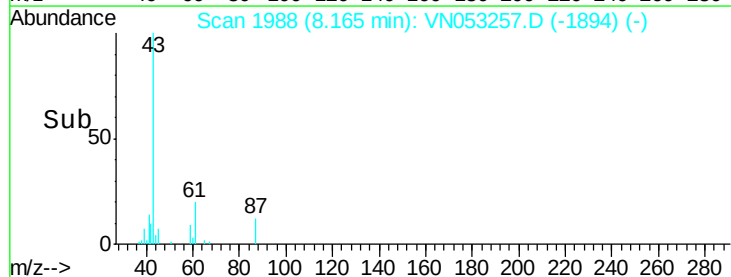
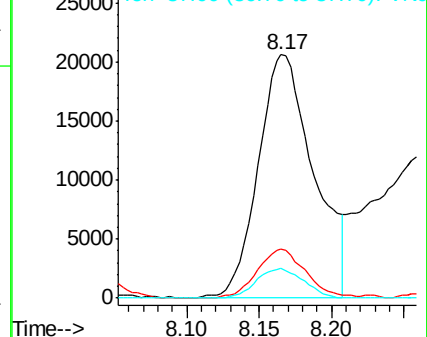
87 10.3 10.6 15.8#

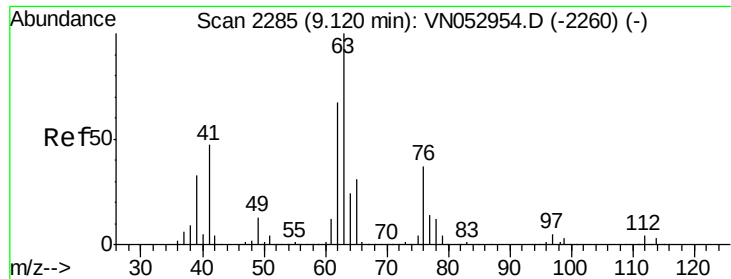


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

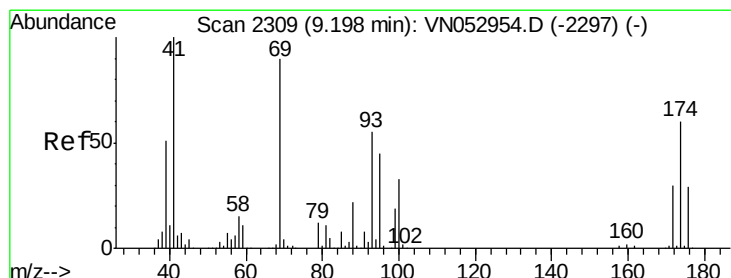
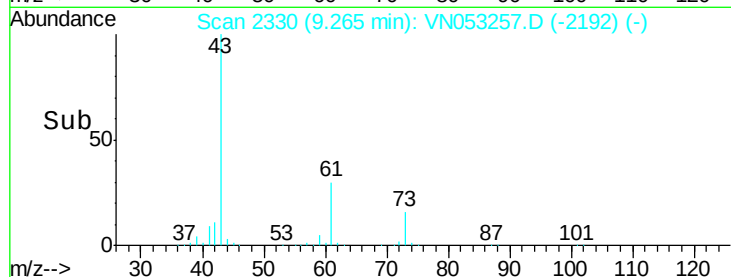
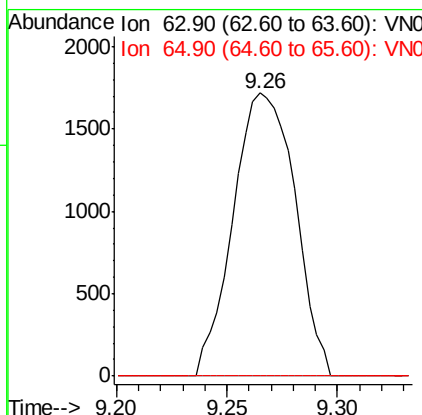
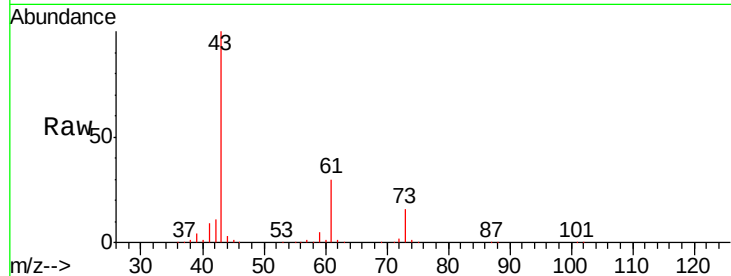




#45
 1,2-Dichloropropane
 Concen: 0.234 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

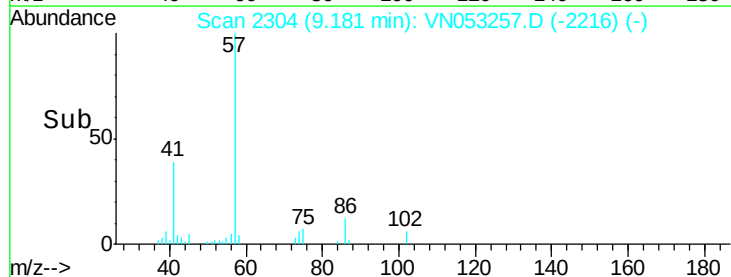
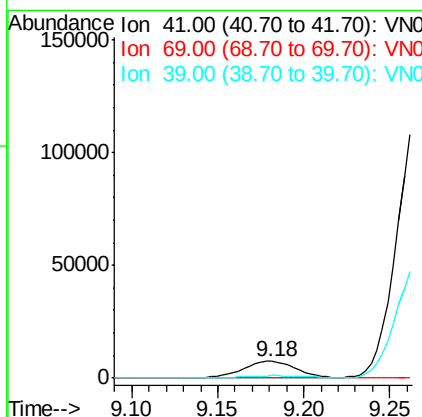
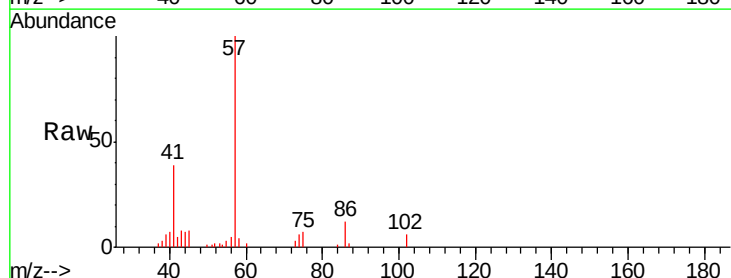
Instrument :
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 PB116111ZHE#02

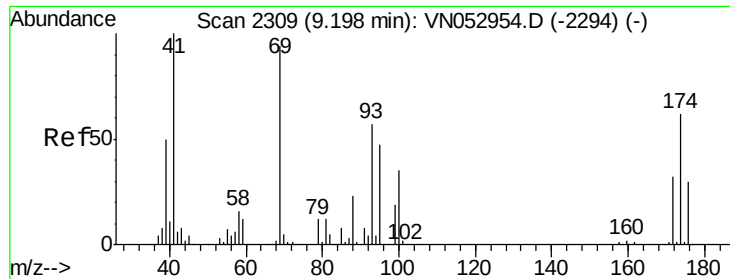
Tgt Ion: 63 Resp: 3352
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.554 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion: 41 Resp: 15569
 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: 1.768 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02

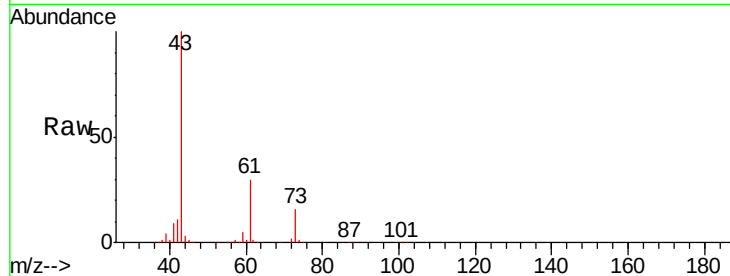
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 1141556.7 26.6 40.0#

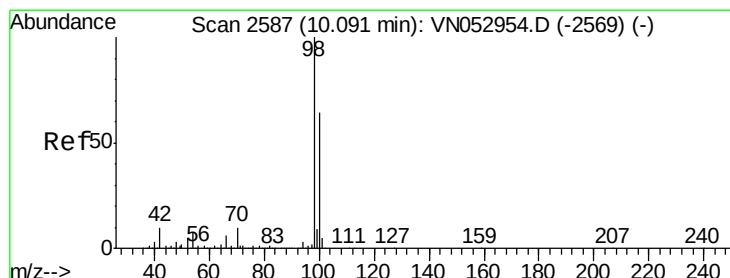
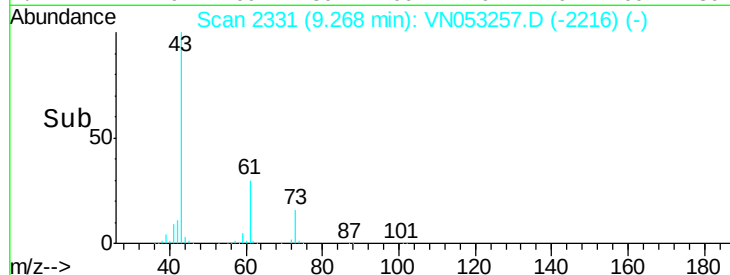
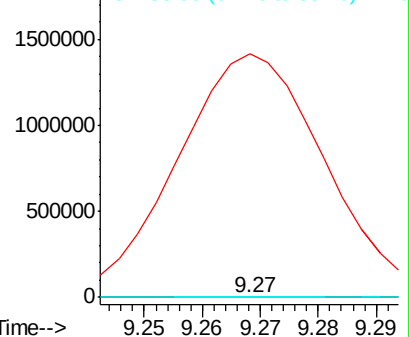
58 5168.8 58.4 87.6#



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: 1.768 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053257.D

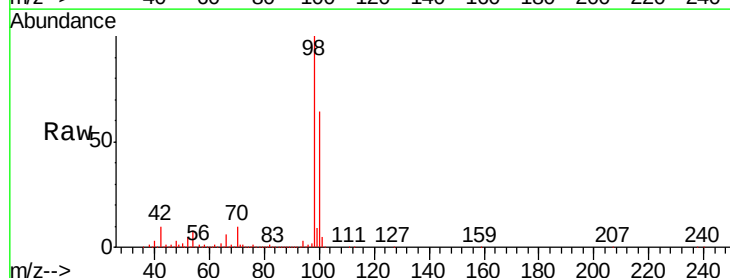
Acq: 3 Jan 2019 12:56

Tgt Ion: 98 Resp: 2359865

Ion Ratio Lower Upper

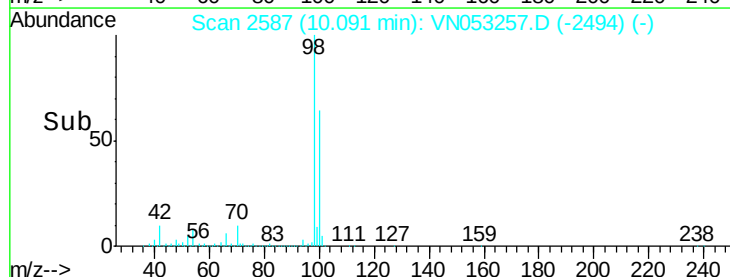
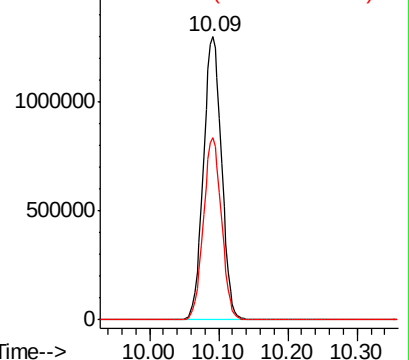
98 100

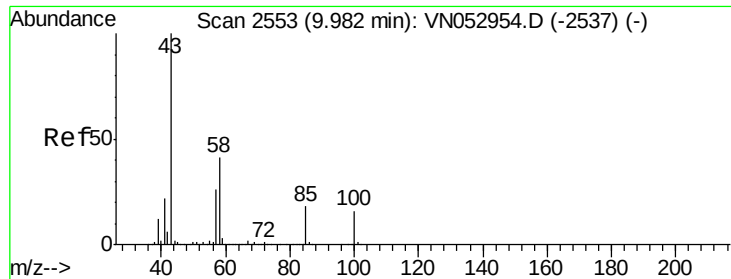
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

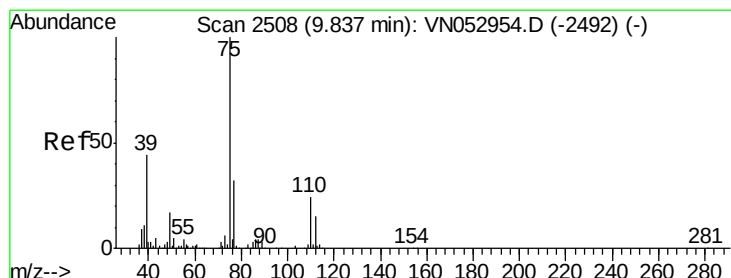
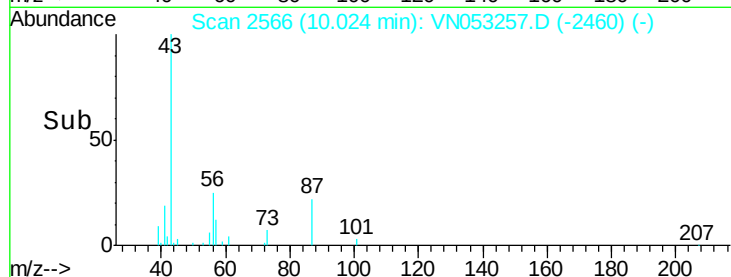
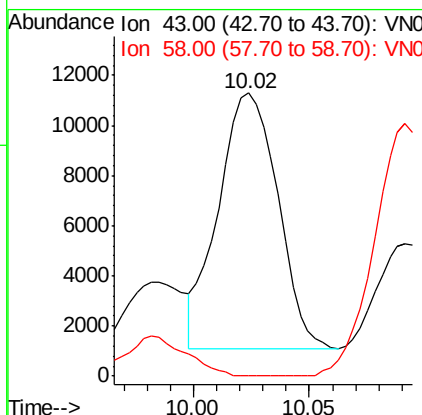
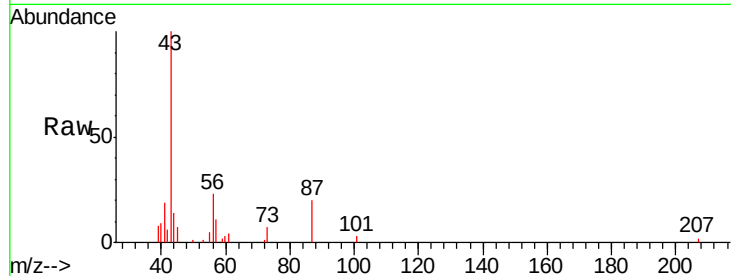




#51
 4-Methyl-2-Pentanone
 Concen: 1.825 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

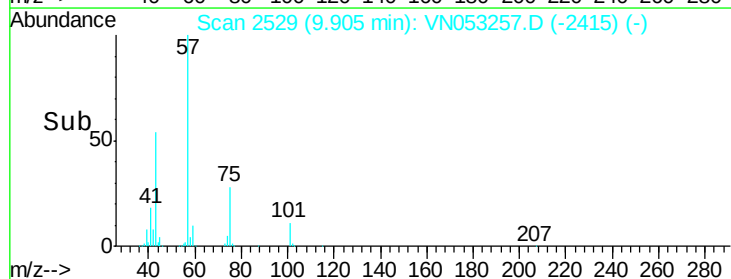
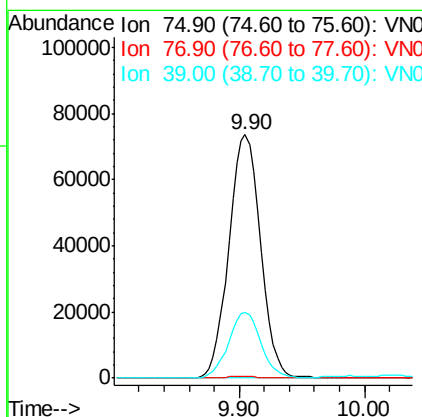
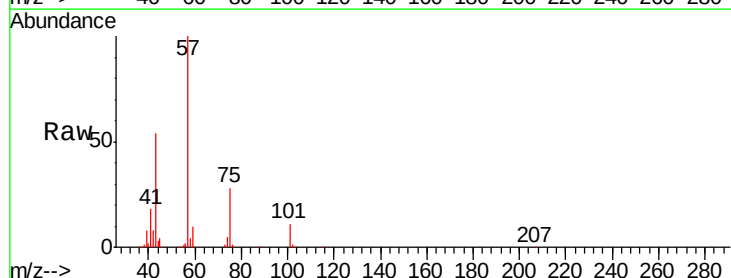
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#02

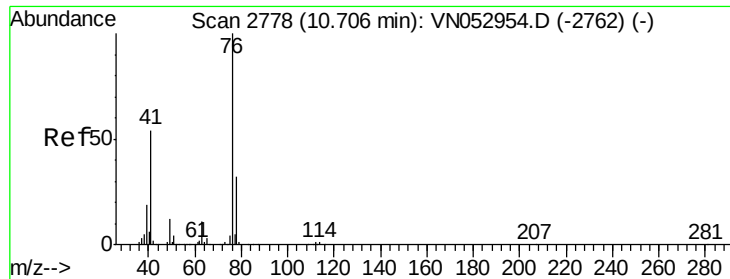
Tgt Ion: 43 Resp: 18245
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.017 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion: 75 Resp: 128841
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 27.2 34.8 52.2#

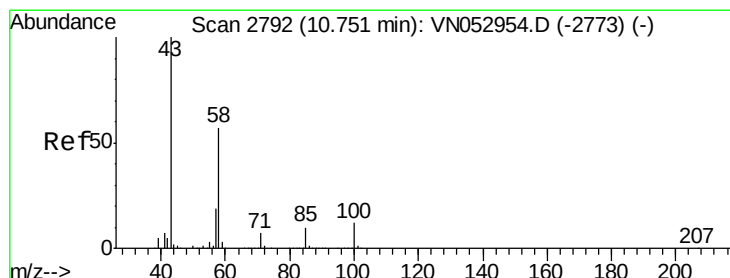
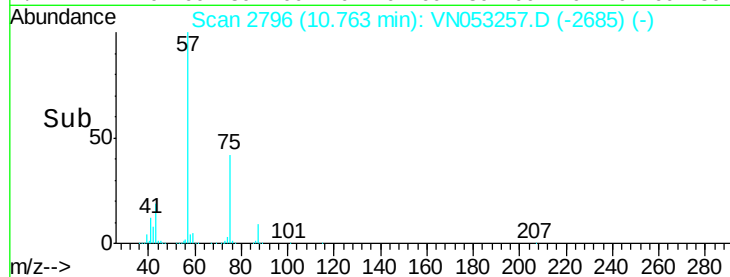
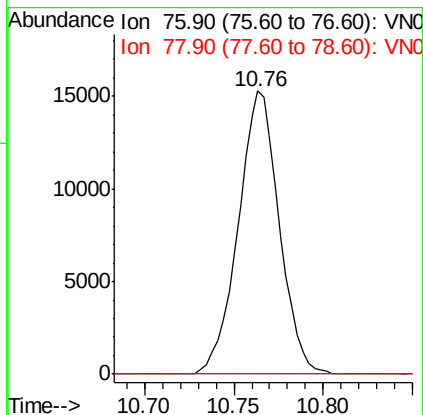
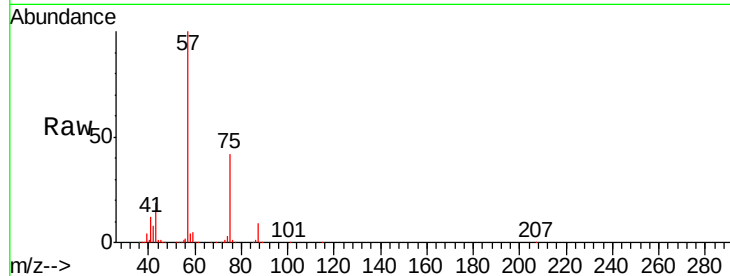




#57
 1,3-Dichloropropane
 Concen: 1.195 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

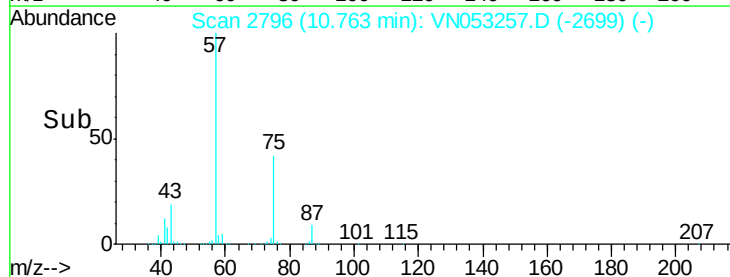
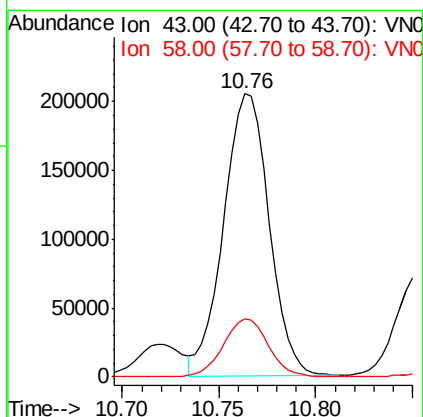
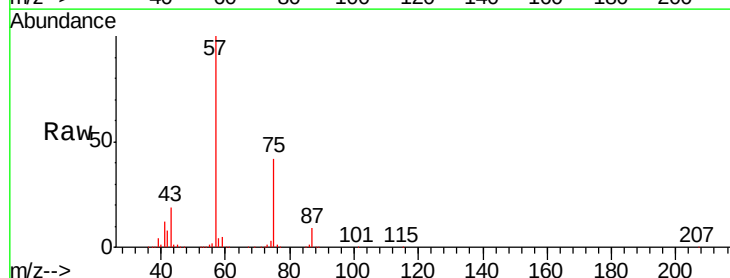
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#02

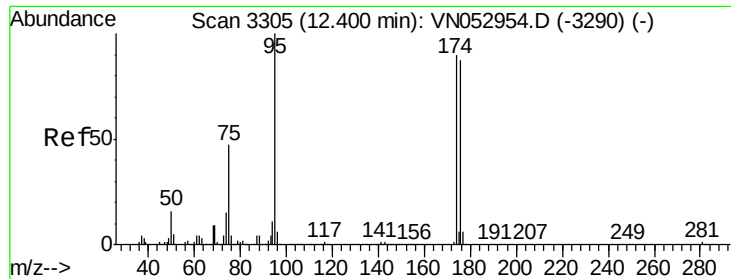
Tgt Ion: 76 Resp: 24372
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 49.592 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion: 43 Resp: 335436
 Ion Ratio Lower Upper
 43 100
 58 20.4 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02

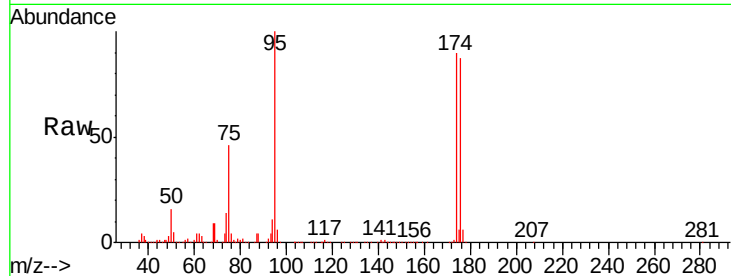
Tgt Ion: 95 Resp: 754614

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

176 87.1 0.0 173.8

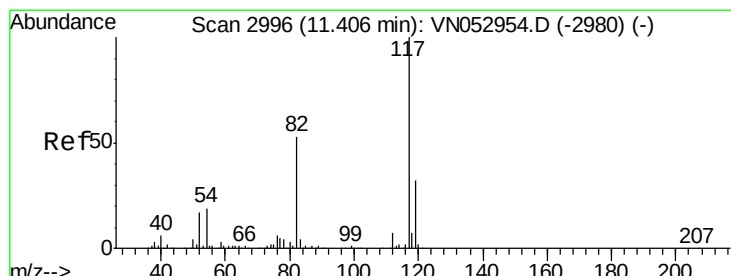
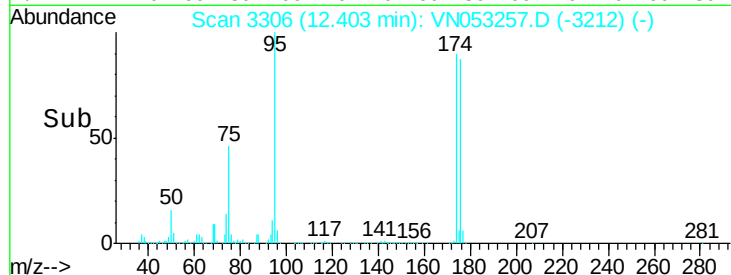


Abundance Ion 94.90 (94.60 to 95.60): VN053257.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053257.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053257.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

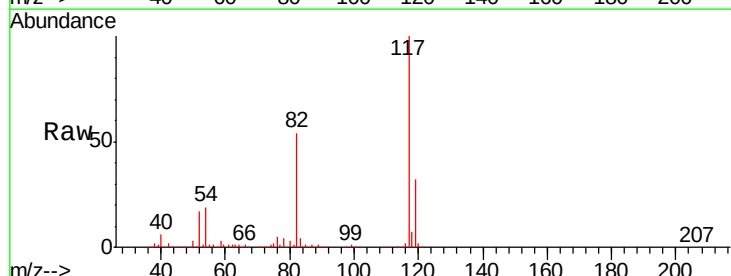
Tgt Ion: 117 Resp: 1715474

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.4 25.5 38.3

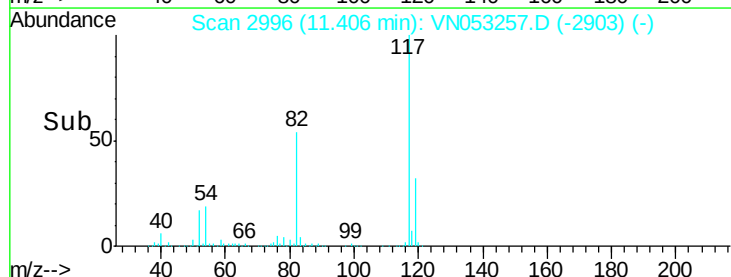


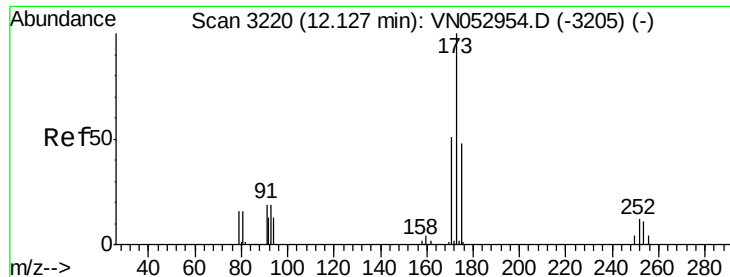
Abundance Ion 116.90 (116.60 to 117.60): VN053257.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053257.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053257.D (-2903) (-)

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.493 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02

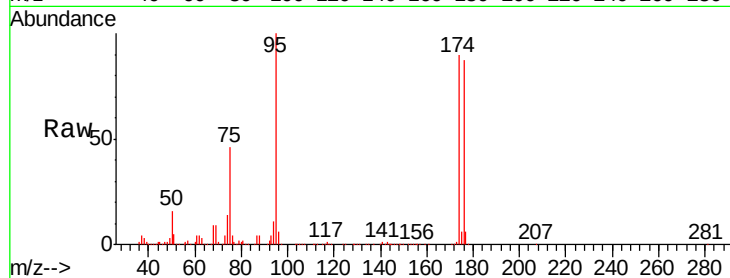
Tgt Ion:173 Resp: 4710

Ion Ratio Lower Upper

173 100

175 921.5 24.3 72.9#

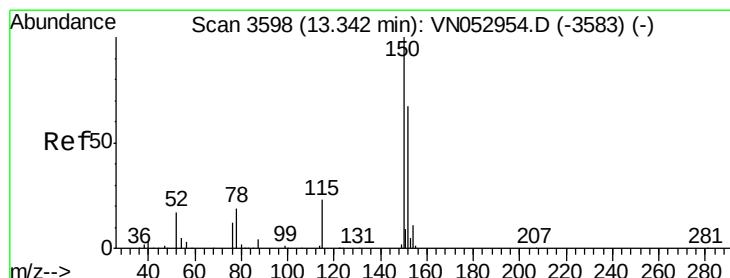
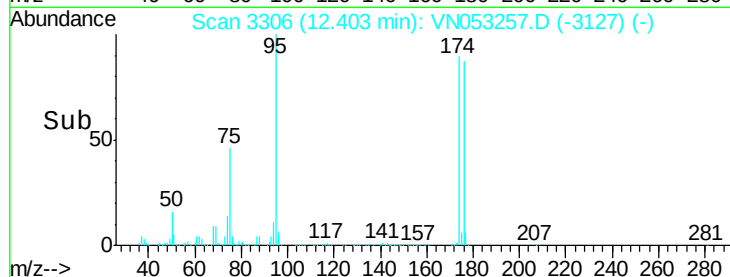
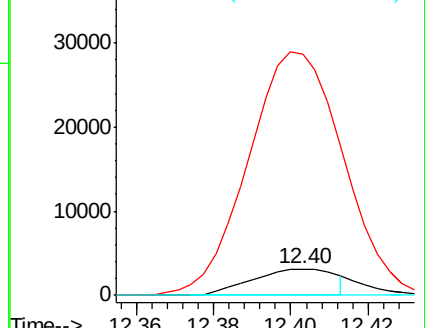
254 0.0 0.1 0.1#



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: VN053257.D

Acq: 3 Jan 2019 12:56

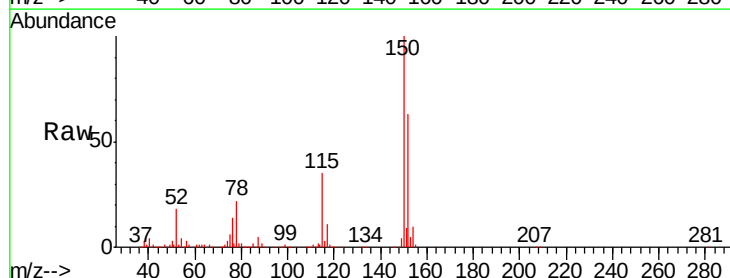
Tgt Ion:152 Resp: 621874

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

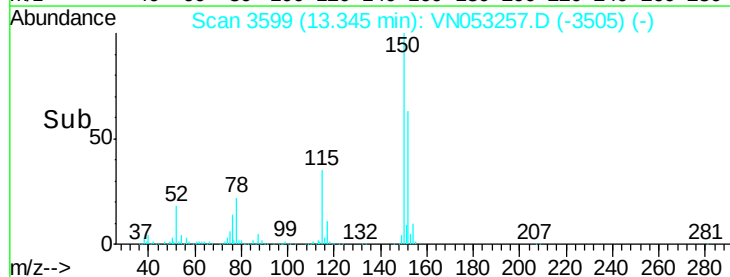
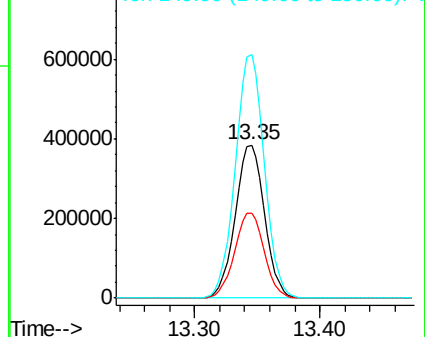
150 157.6 0.0 347.8

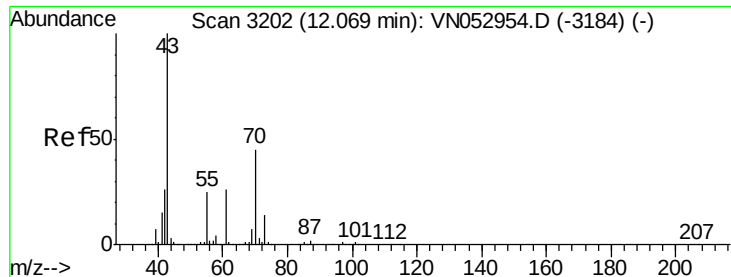


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.941 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053257.D

Acq: 3 Jan 2019 12:56

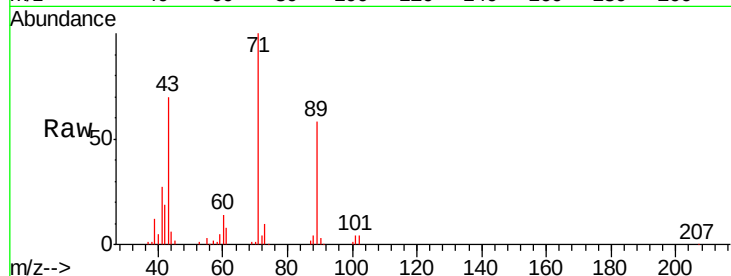
Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02

Tgt Ion:	43	Resp:	39724
Ion	Ratio	Lower	Upper
43	100		
70	1.8	34.2	51.4#
55	4.2	20.3	30.5#
61	11.5	20.0	30.0#

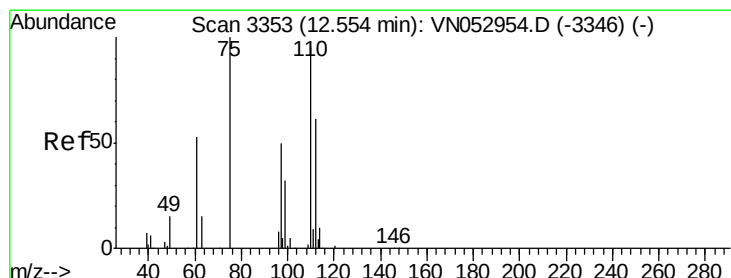
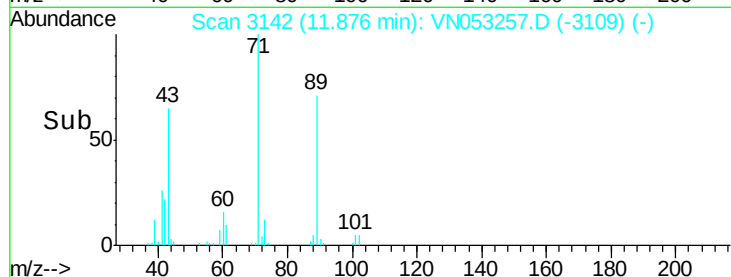
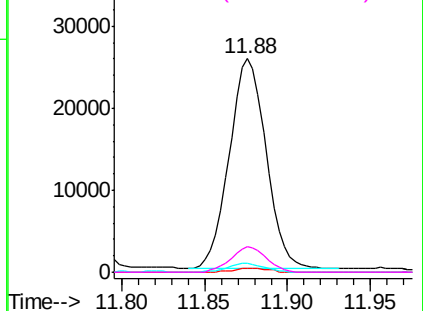


Abundance Ion 43.00 (42.70 to 43.70): VN053257.D (-3142) (-)

Ion 70.00 (69.70 to 70.70): VN053257.D (-3142) (-)

Ion 55.00 (54.70 to 55.70): VN053257.D (-3142) (-)

Ion 61.00 (60.70 to 61.70): VN053257.D (-3142) (-)



#76

1,2,3-Trichloropropane

Concen: 33.592 ug/l

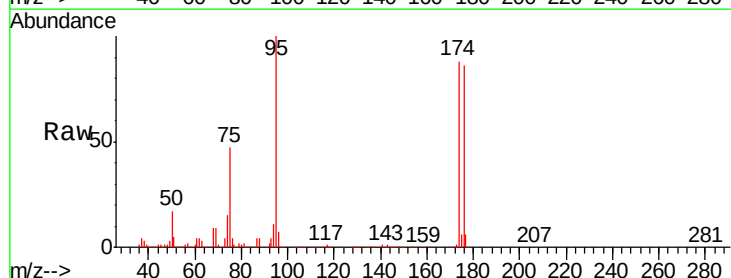
RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053257.D

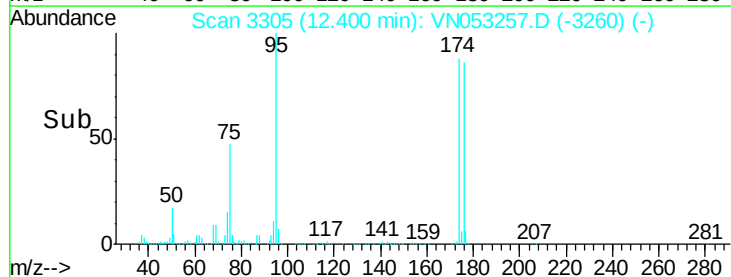
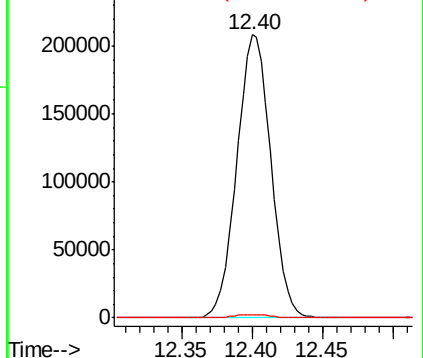
Acq: 3 Jan 2019 12:56

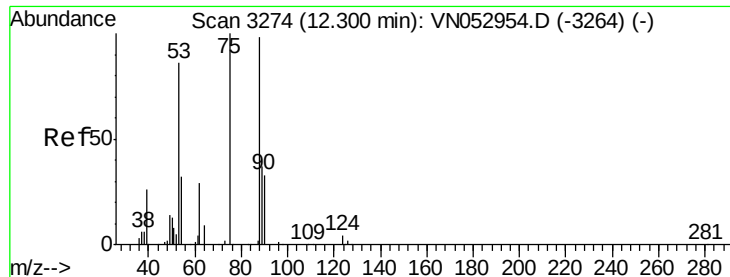
Tgt Ion:	75	Resp:	351665
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053257.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN053257.D (-3305) (-)

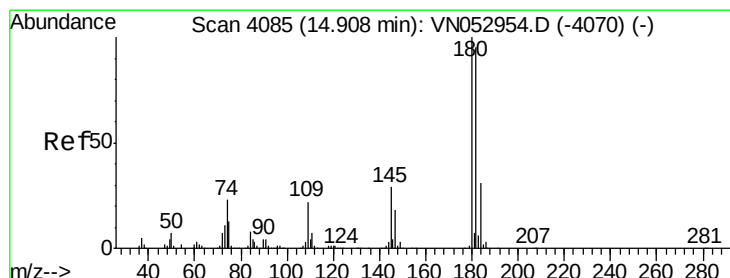
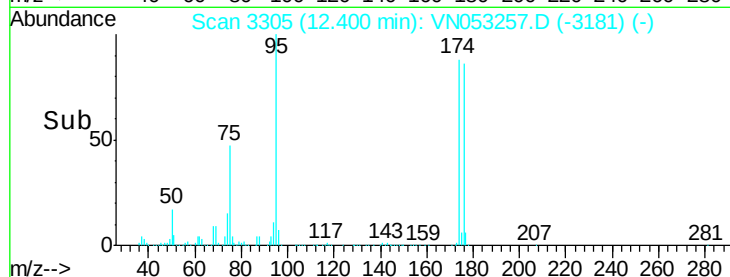
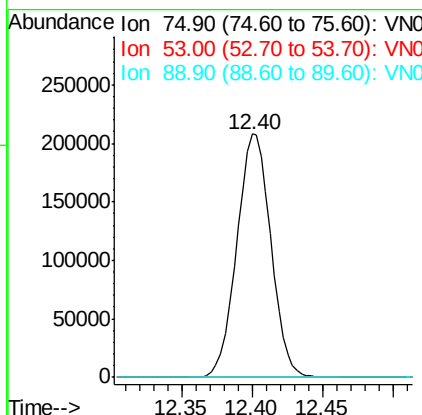
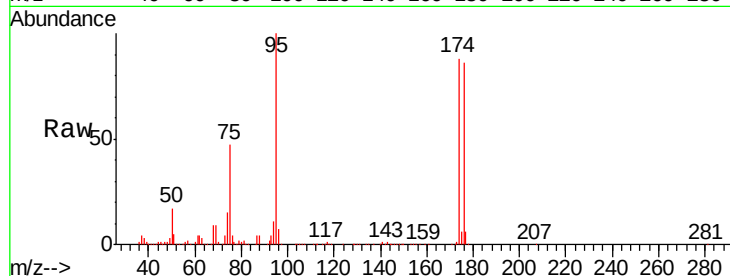




#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.272 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

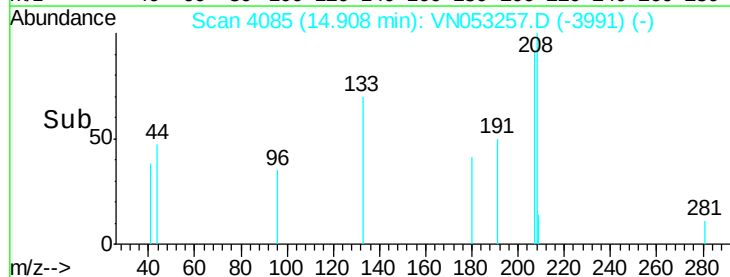
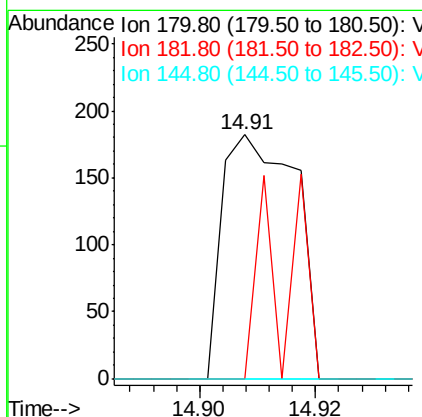
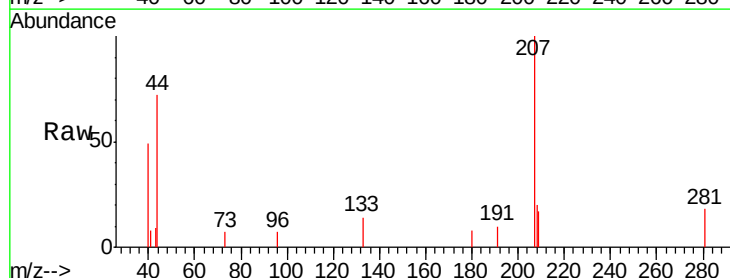
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#02

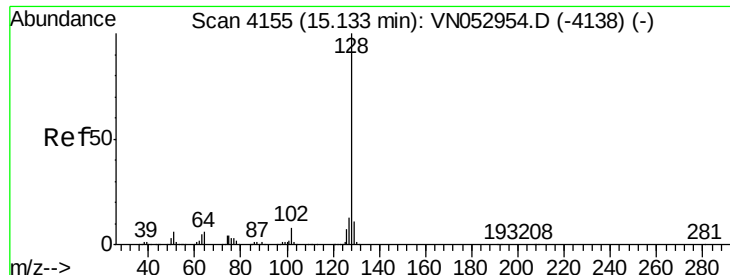
Tgt Ion: 75 Resp: 351665
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.610 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053257.D
 Acq: 3 Jan 2019 12:56

Tgt Ion: 180 Resp: 159
 Ion Ratio Lower Upper
 180 100
 182 37.1 47.8 143.3#
 145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 1.167 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053257.D

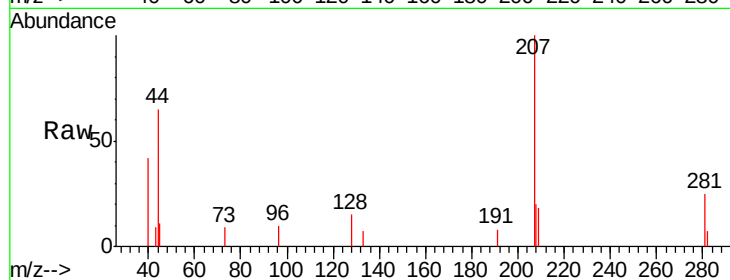
Acq: 3 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#02



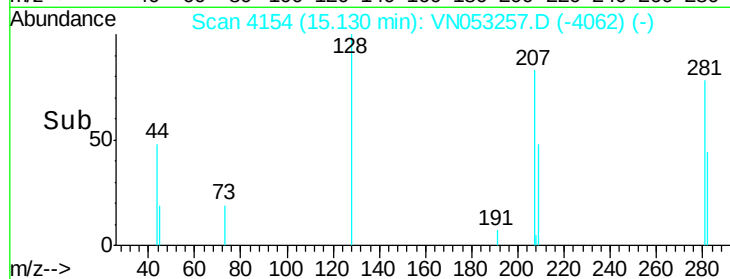
Tgt Ion:128 Resp: 504

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

500

400

300

200

100

0

15.10 15.12 15.14 15.16

Time-->