

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\
 Data File : VN053435.D
 Acq On : 17 Jan 2019 15:25
 Operator : JC/SP
 Sample : VN0117WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Quant Time: Jan 18 00:09:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	898035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1391924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1264322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	489976	50.00	ug/l	0.00

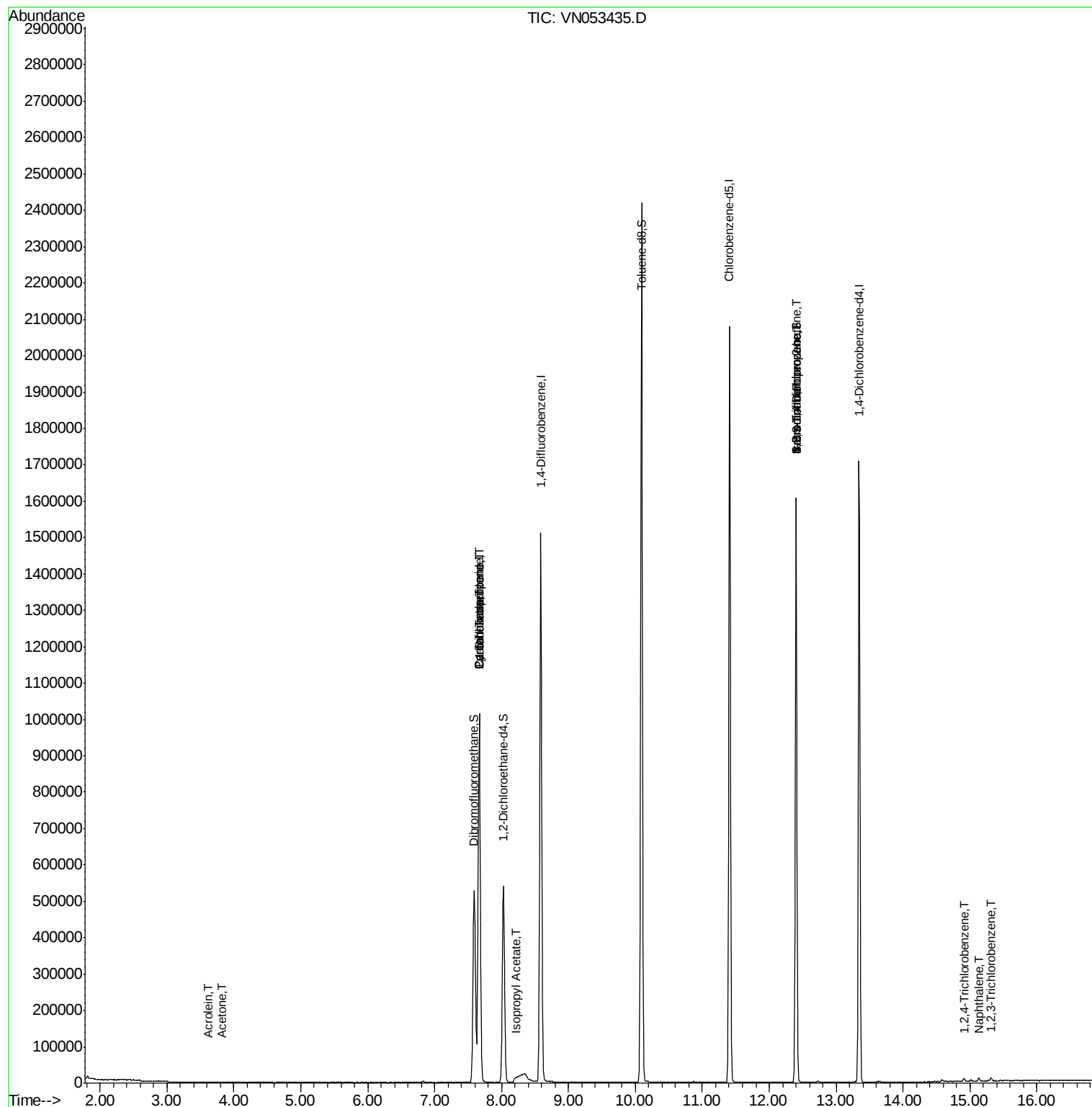
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	444516	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.59	113	414751	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.09	98	1712109	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	549222	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

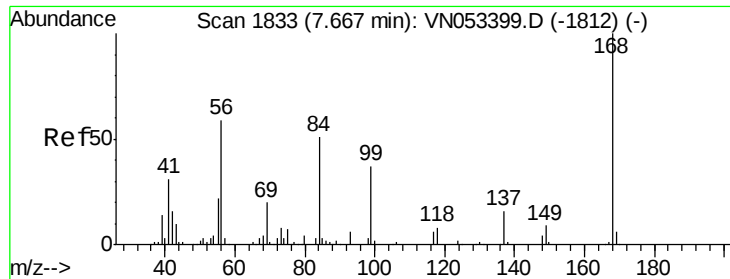
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	289	23.048	ug/l #	40
16) Acetone	3.82	43	915	0.439	ug/l #	41
31) Cyclohexane	7.66	56	14077	0.682	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	58728	4.633	ug/l #	48
38) Carbon Tetrachloride	7.67	117	77092	6.424	ug/l #	15
43) Isopropyl Acetate	8.20	43	6783	0.517	ug/l #	51
71) Bromoform	12.40	173	3759	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	254787	39.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	254787	97.336	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	3430	3.246	ug/l	97
95) Naphthalene	15.14	128	8526	4.602	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4224	4.692	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 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: VN053435.D

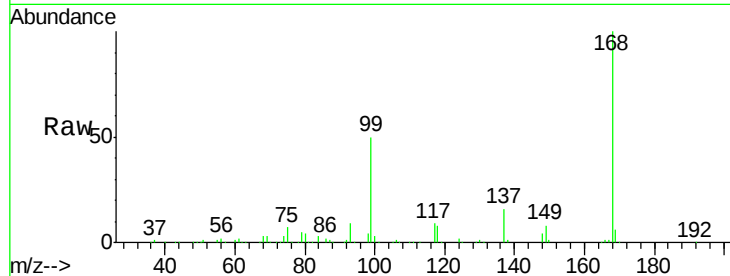
Acq: 17 Jan 2019 15:25

Tot Ion:168 Resp: 898035

Ion Ratio Lower Upper

168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

200000

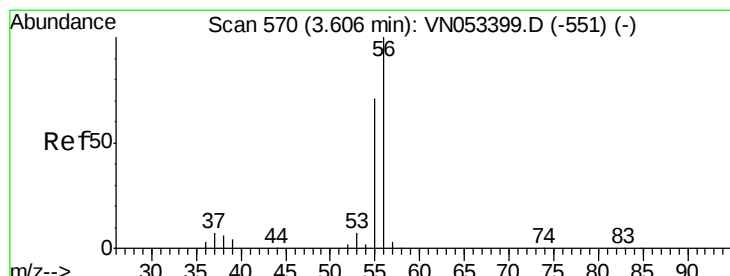
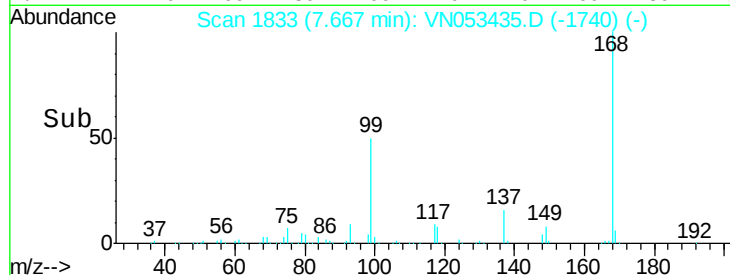
100000

0

Time-->

7.60

7.70



#13

Acrolein

Concen: 23.048 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN053435.D

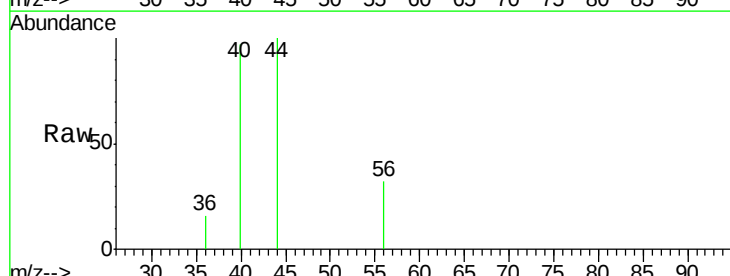
Acq: 17 Jan 2019 15:25

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 21.5 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

300

200

100

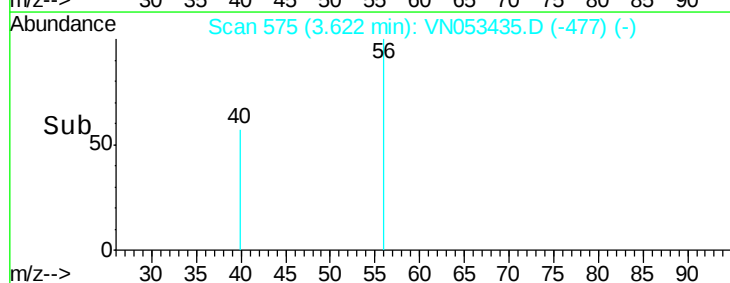
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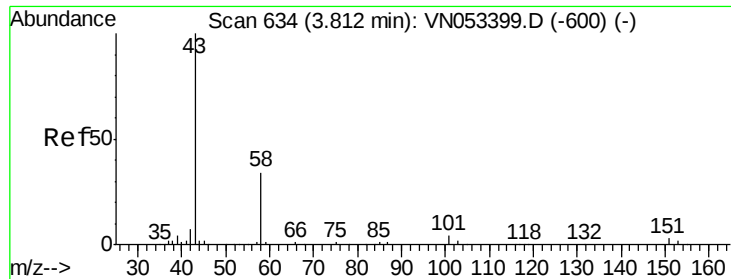
Time-->

3.60

3.62

3.64





#16

Acetone

Concen: 0.439 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053435.D

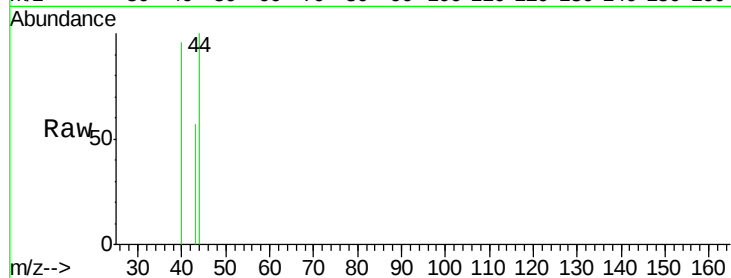
Acq: 17 Jan 2019 15:25

Tot Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

400

300

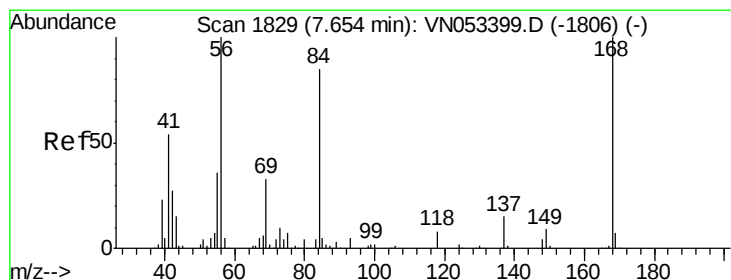
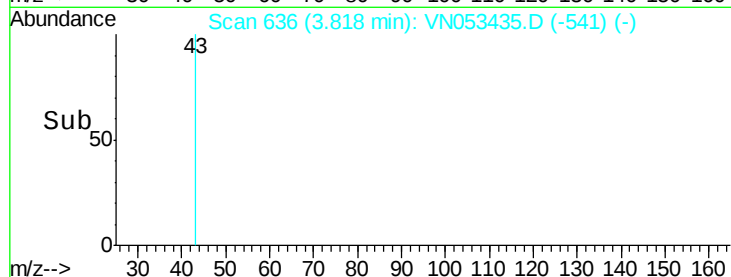
200

100

0

Time-->

3.78 3.80 3.82 3.84



#31

Cyclohexane

Concen: 0.682 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

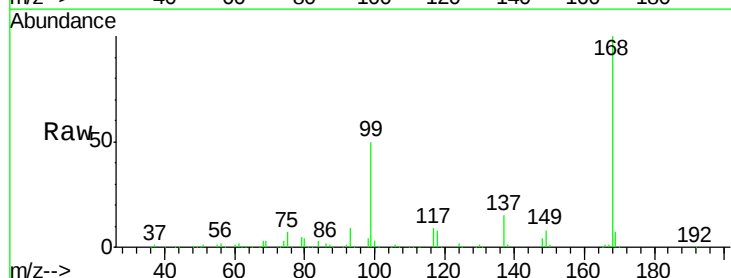
Tgt Ion: 56 Resp: 14077

Ion Ratio Lower Upper

56 100

69 176.6 26.4 39.6#

84 159.9 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

15000

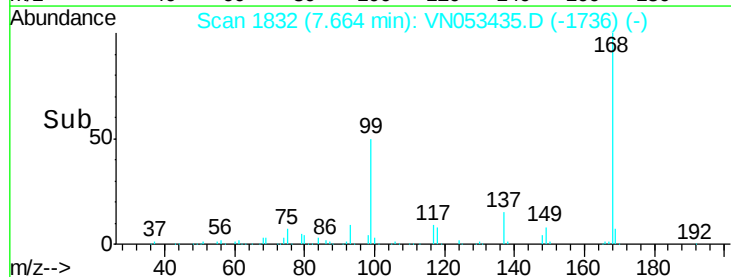
10000

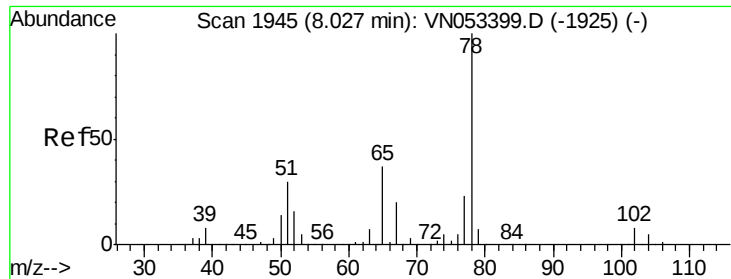
5000

0

Time-->

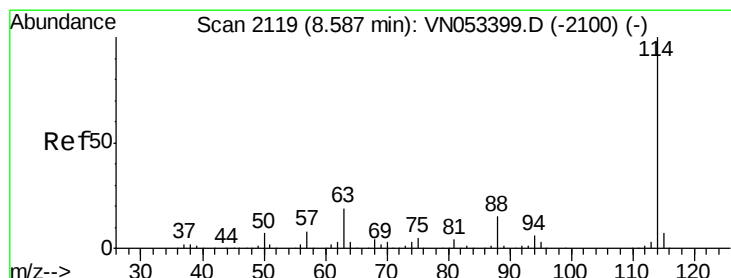
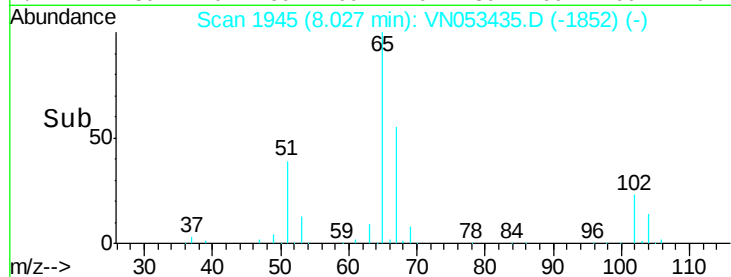
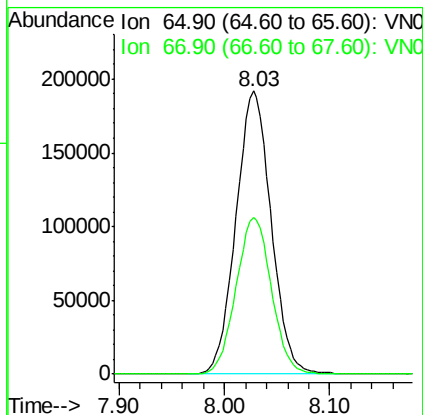
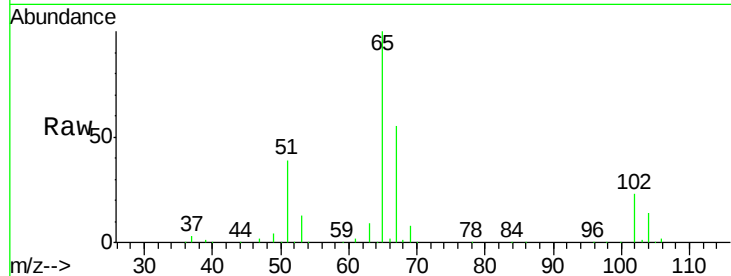
7.60 7.65 7.70 7.75





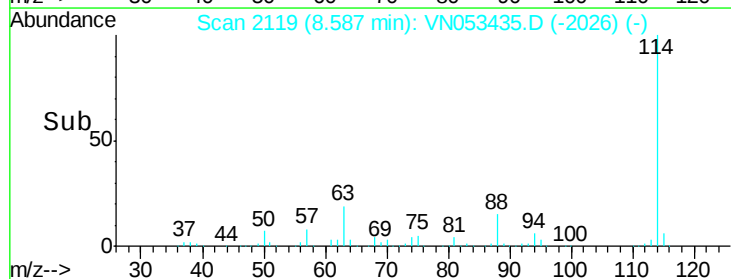
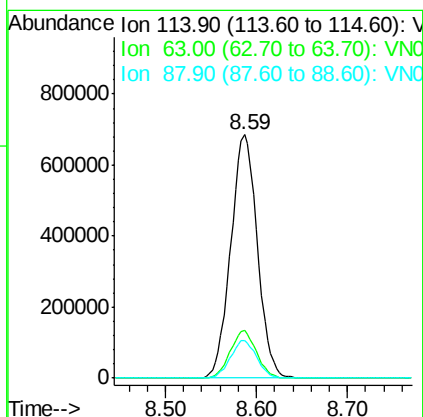
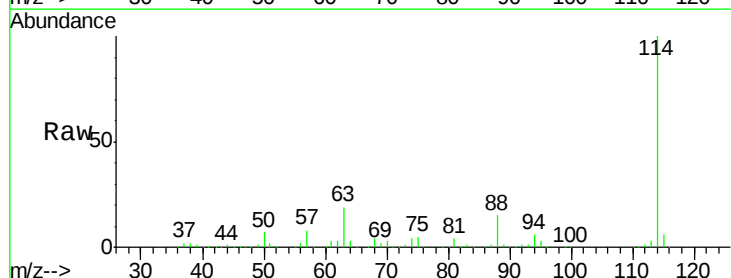
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

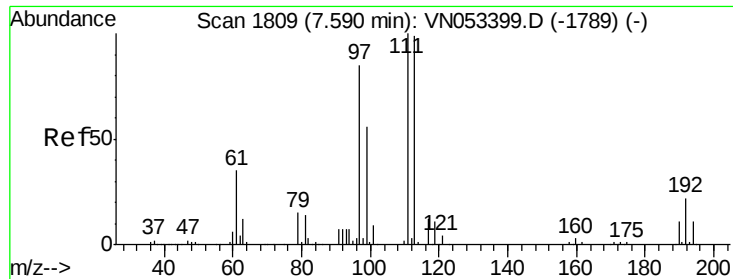
Tot Ion: 65 Resp: 444516
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

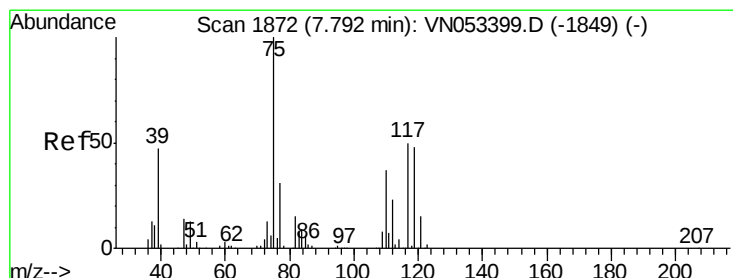
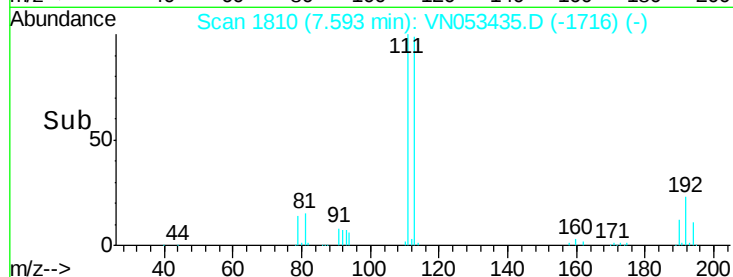
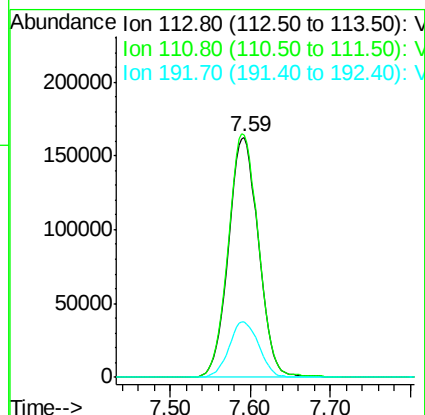
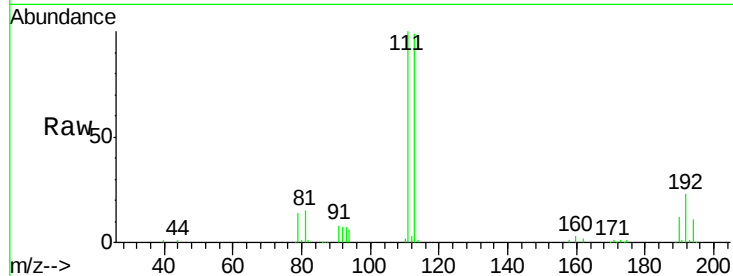
Tgt Ion: 114 Resp: 1391924
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.3 0.0 30.4





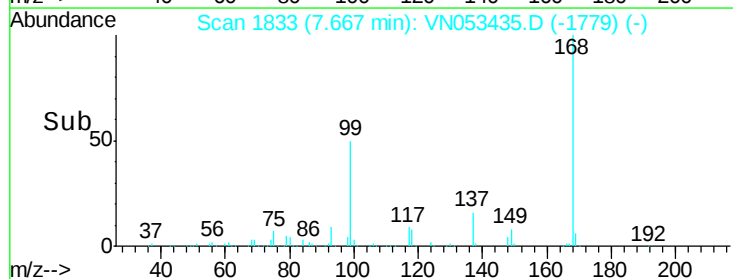
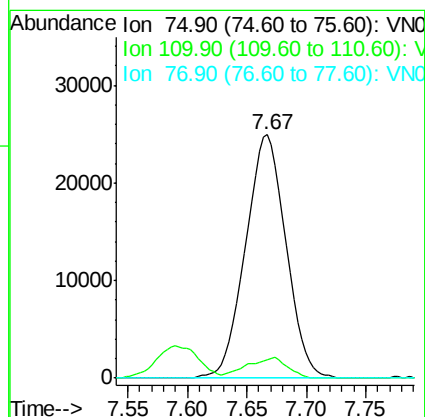
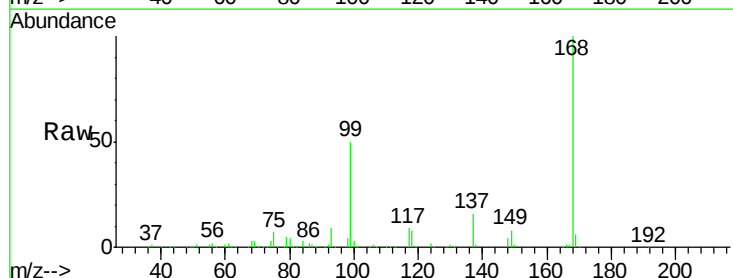
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

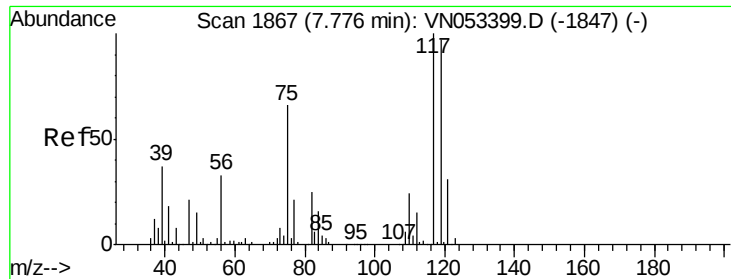
Tot Ion:113 Resp: 414751
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 22.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

Tgt Ion: 75 Resp: 58728
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

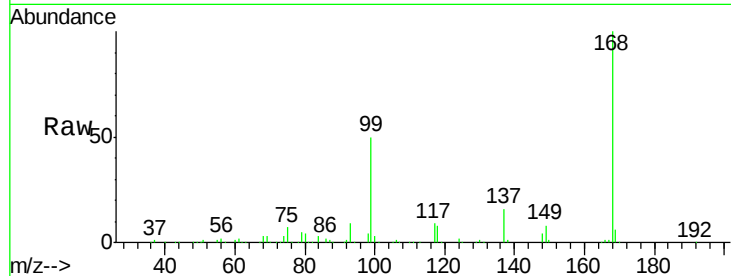
Tot Ion:117 Resp: 77092

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

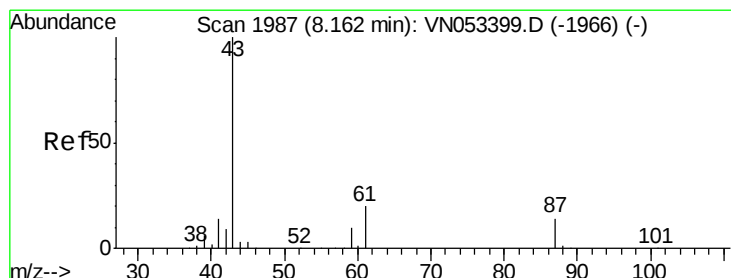
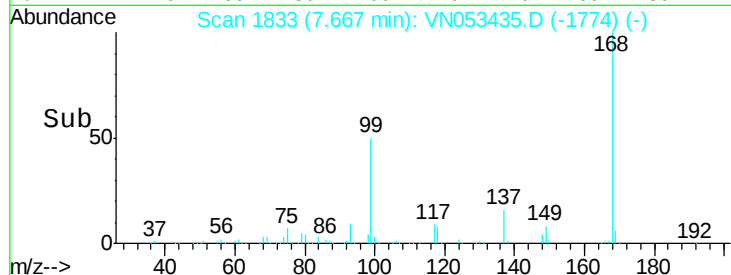
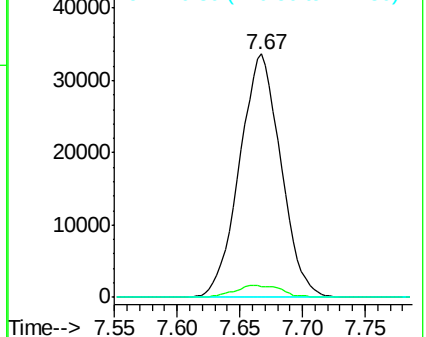
121 0.0 24.6 37.0#



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: 0.517 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

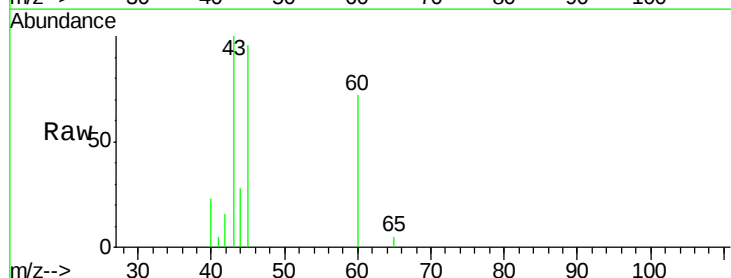
Tgt Ion: 43 Resp: 6783

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

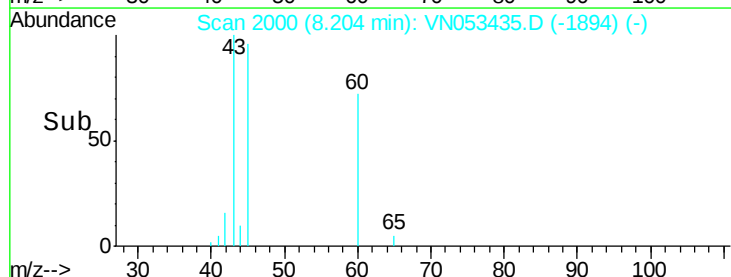
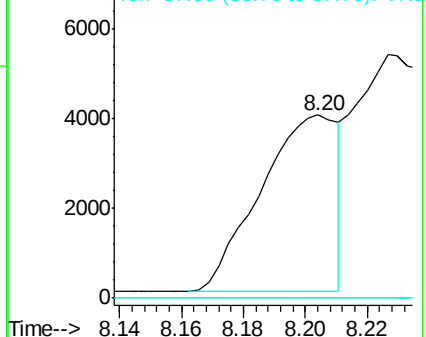
87 0.0 11.0 16.6#

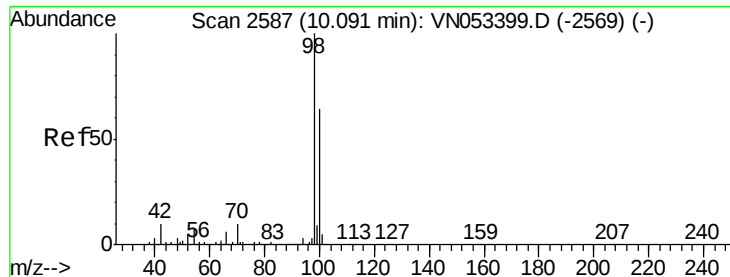


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053435.D

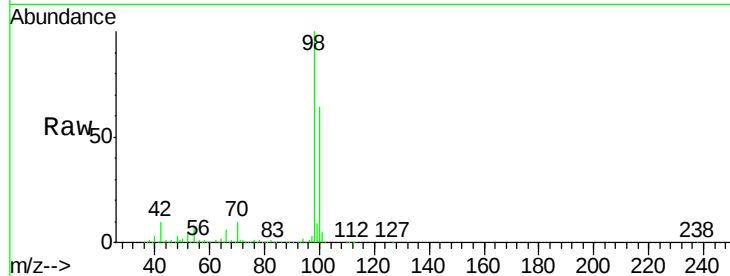
Acq: 17 Jan 2019 15:25

Tot Ion: 98 Resp: 1712109

Ion Ratio Lower Upper

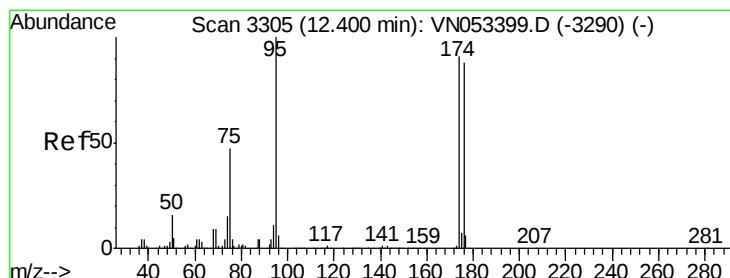
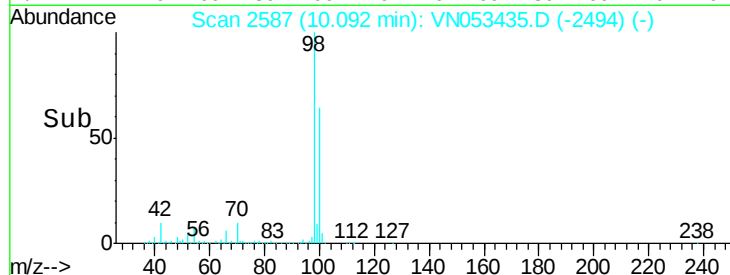
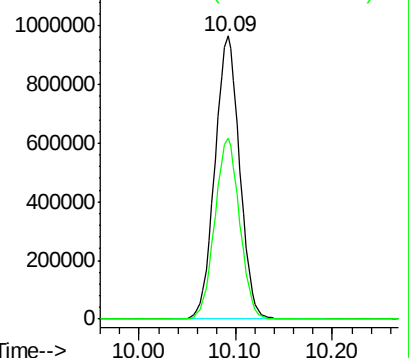
98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

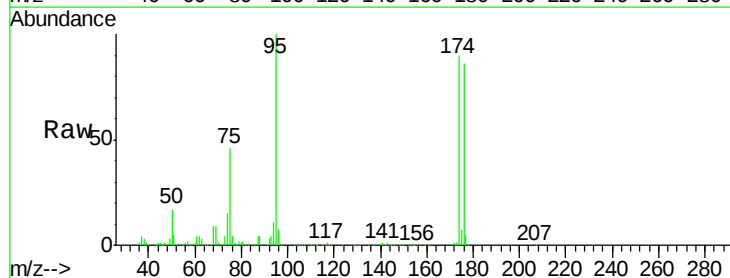
Tgt Ion: 95 Resp: 549222

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.2

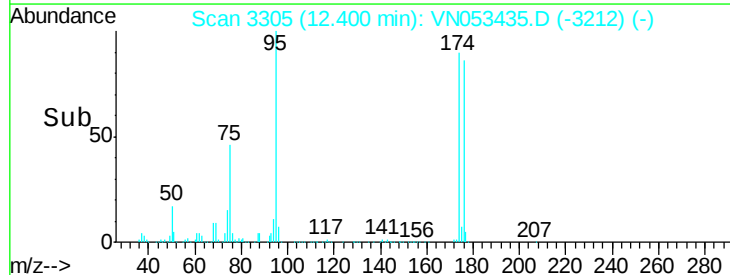
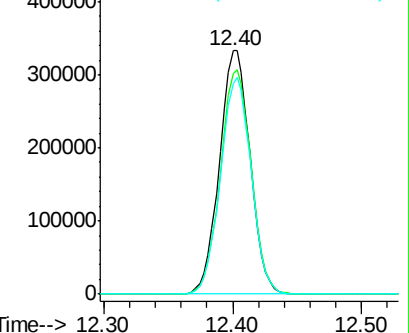
176 89.0 0.0 177.4

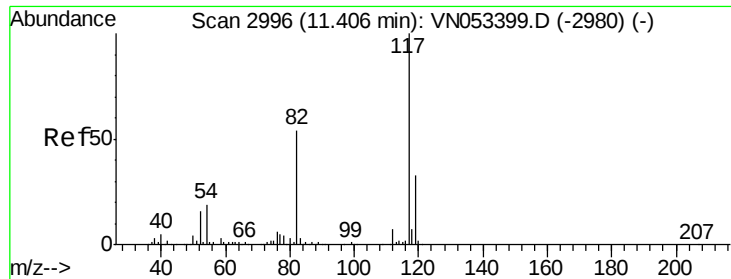


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

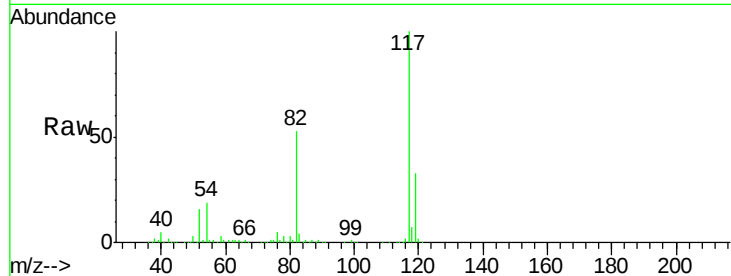




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

Tot Ion:117 Resp: 1264322

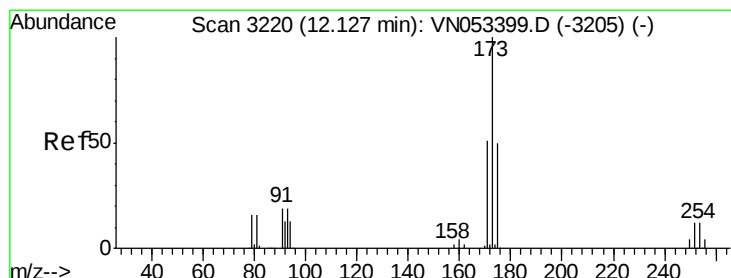
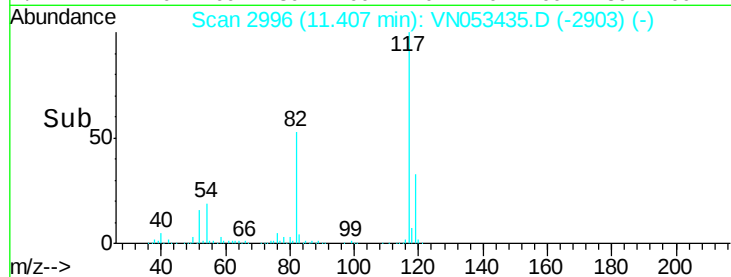
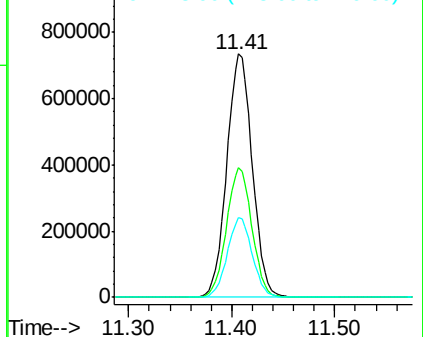
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	32.6	26.0	39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

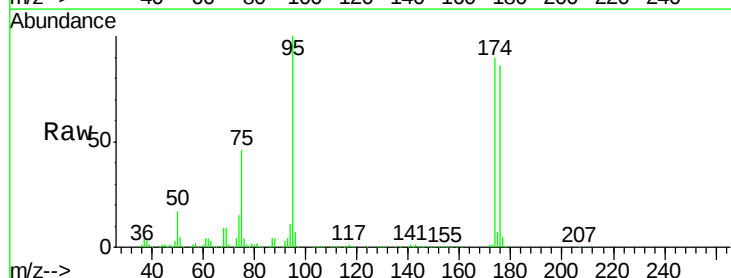
Ion 118.90 (118.60 to 119.60): V



#71
 Bromoform
 Concen: 0.586 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN053435.D
 Acq: 17 Jan 2019 15:25

Tgt Ion:173 Resp: 3759

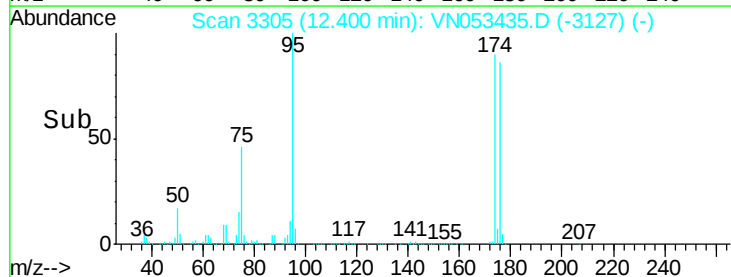
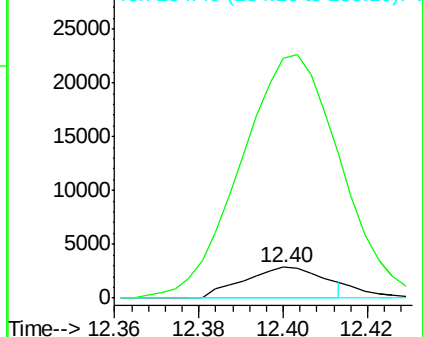
Ion	Ratio	Lower	Upper
173	100		
175	870.3	24.6	74.0#
254	0.0	0.2	0.2#

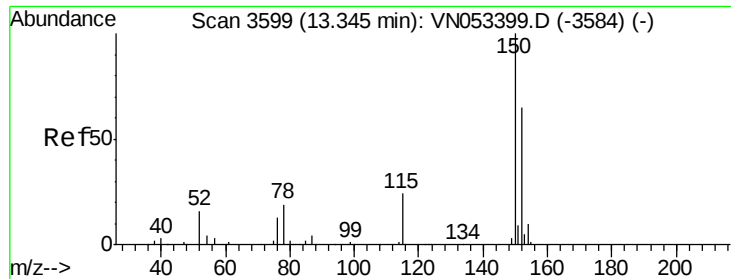


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

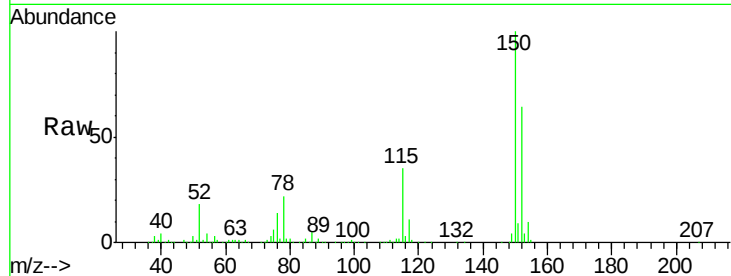




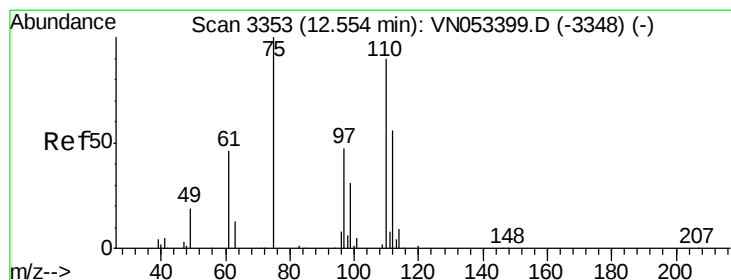
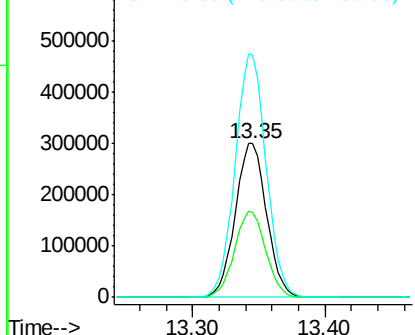
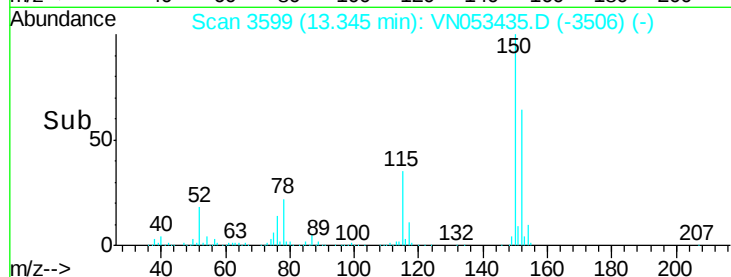
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053435.D
Acq: 17 Jan 2019 15:25

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	157.2	0.0	349.0



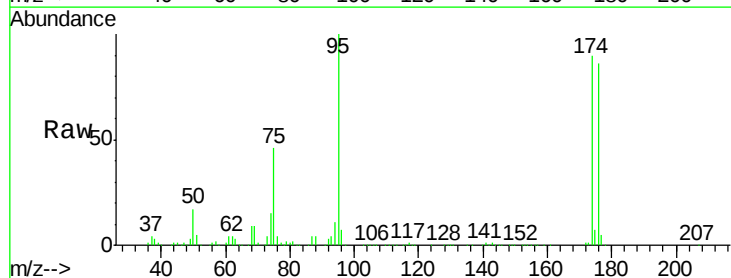
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



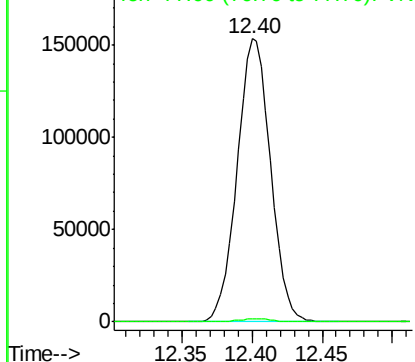
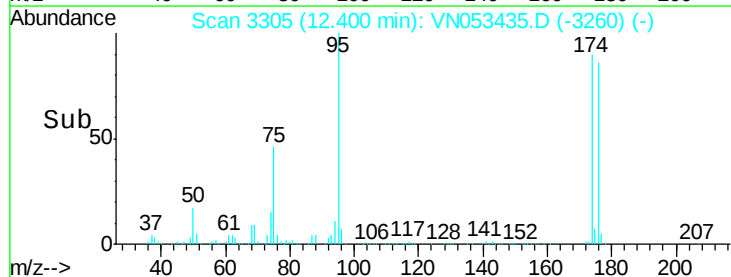
#76

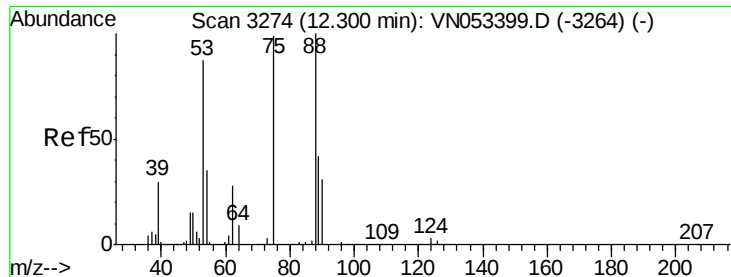
1,2,3-Trichloropropane
Concen: 39.459 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053435.D
Acq: 17 Jan 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.336 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

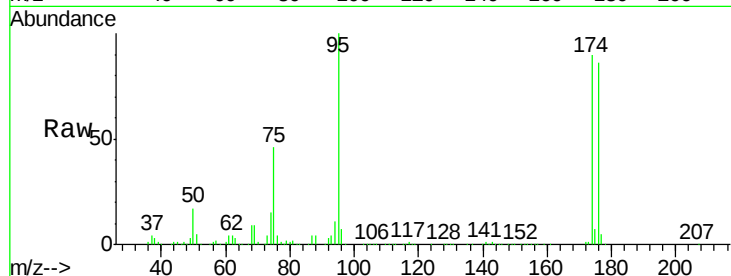
Tot Ion: 75 Resp: 254787

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

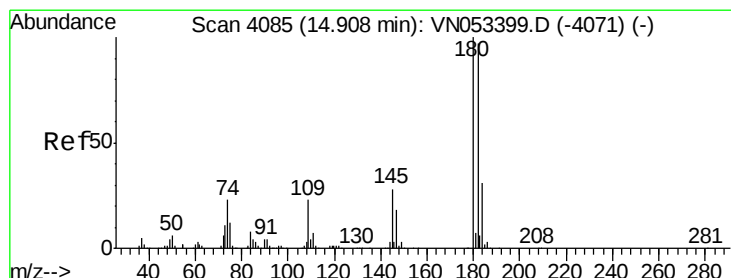
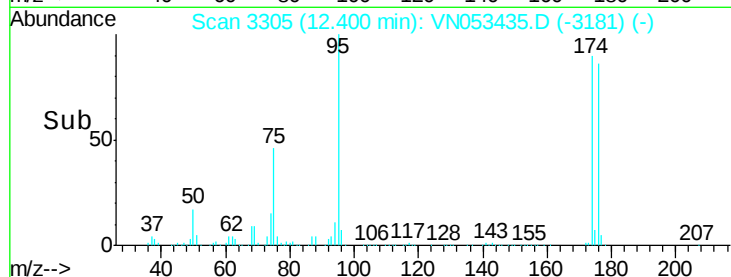
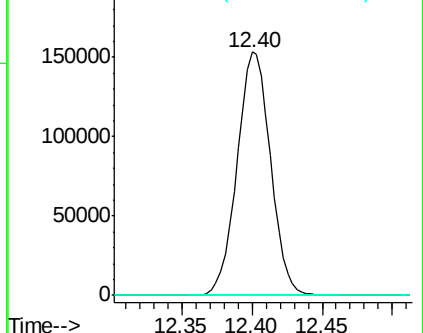
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.246 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

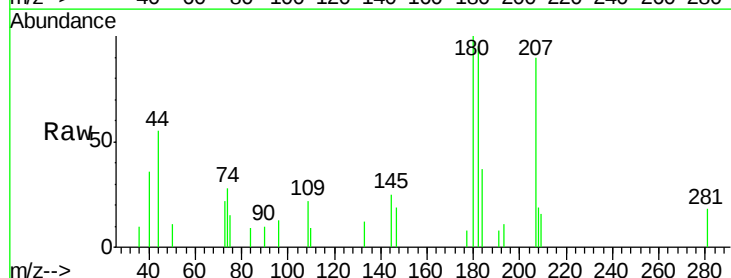
Tgt Ion: 180 Resp: 3430

Ion Ratio Lower Upper

180 100

182 93.8 48.1 144.3

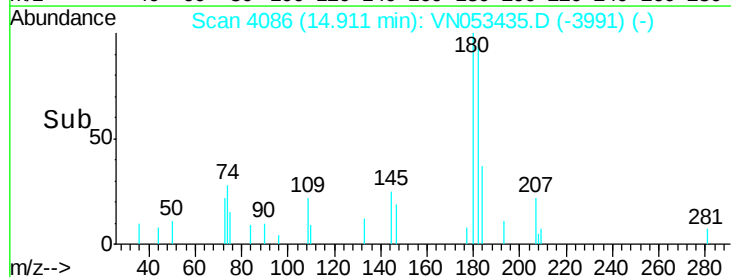
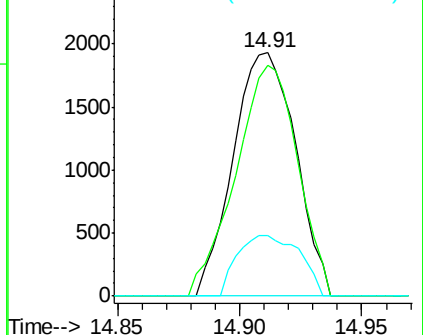
145 24.8 13.9 41.6

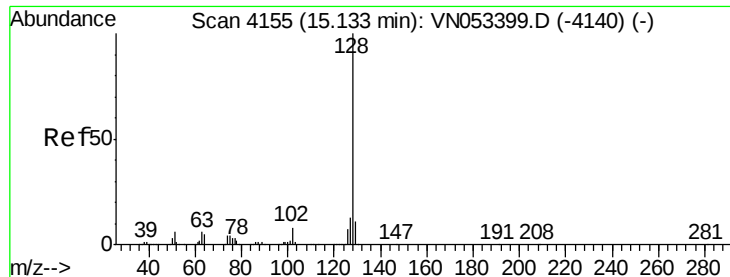


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#95

Naphthalene

Concen: 4.602 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

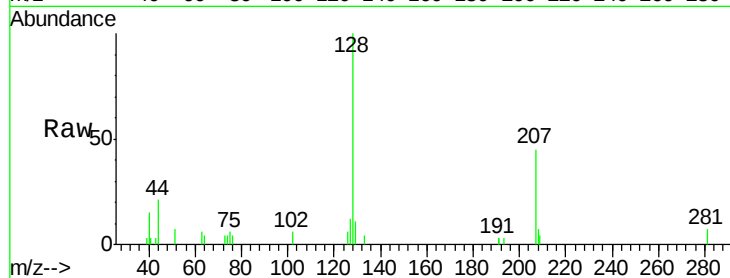
Tot Ion:128 Resp: 8526

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

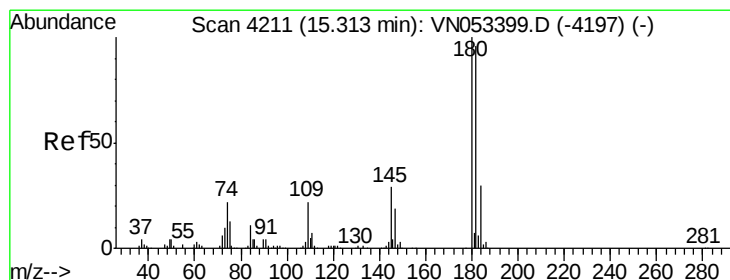
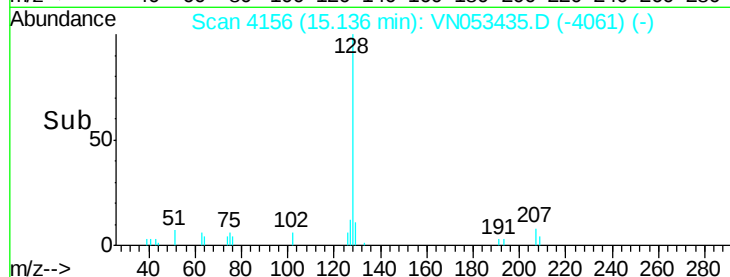
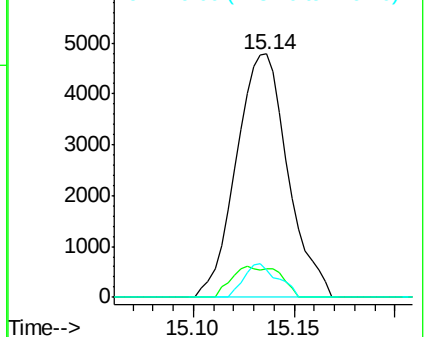
129 9.1 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 4.692 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053435.D

Acq: 17 Jan 2019 15:25

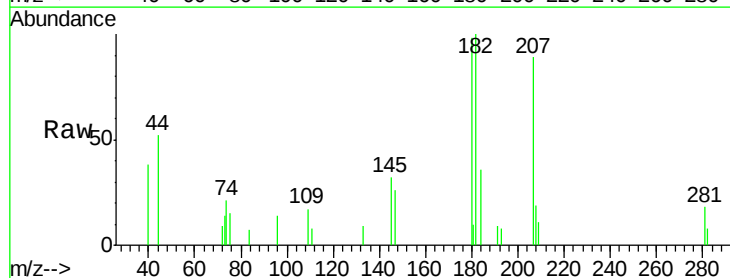
Tgt Ion:180 Resp: 4224

Ion Ratio Lower Upper

180 100

182 100.7 47.9 143.8

145 28.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

