

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060397.D
 Acq On : 9 Mar 2020 12:55
 Operator : JC/MD
 Sample : PB127354ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#02

Quant Time: Mar 09 17:08:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

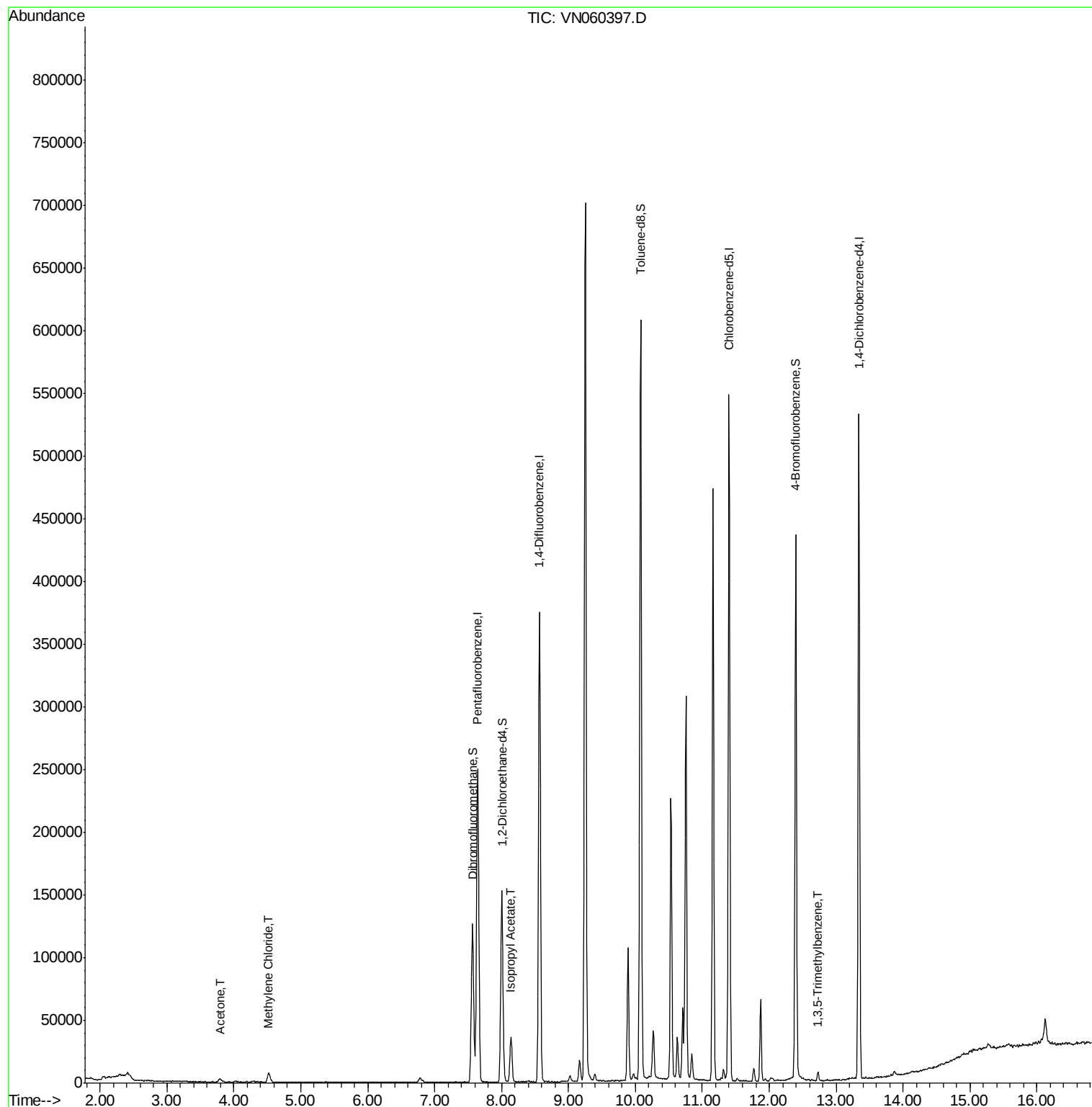
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131246	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
35) Dibromofluoromethane	7.56	113	96009	62.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.40%	
50) Toluene-d8	10.08	98	409195	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.40	95	148424	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
Target Compounds						
16) Acetone	3.79	43	5705	6.70	ug/l	93
20) Methylene Chloride	4.52	84	5289	2.26	ug/l	96
43) Isopropyl Acetate	8.14	43	43687	8.38	ug/l #	90
80) 1,3,5-Trimethylbenzene	12.73	105	4356	0.51	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
Data File : VN060397.D
Acq On : 9 Mar 2020 12:55
Operator : JC/MD
Sample : PB127354ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127354ZHE#02

Quant Time: Mar 09 17:08:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060397.D

Acq: 9 Mar 2020 12:55

Instrument :

MSVOA_N

ClientSampleId :

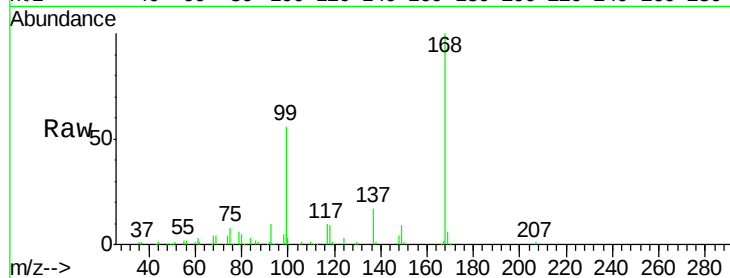
PB127354ZHE#02

Tgt Ion:168 Resp: 205557

Ion Ratio Lower Upper

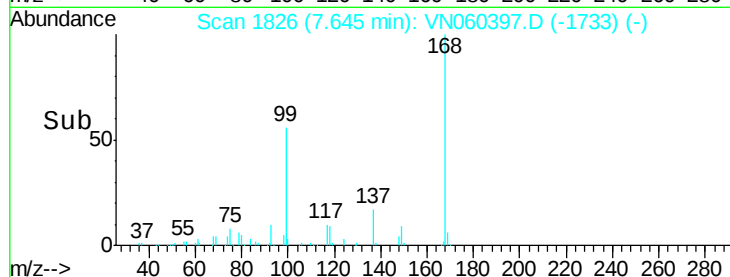
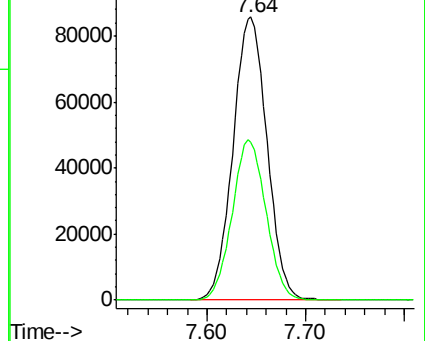
168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.70 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060397.D

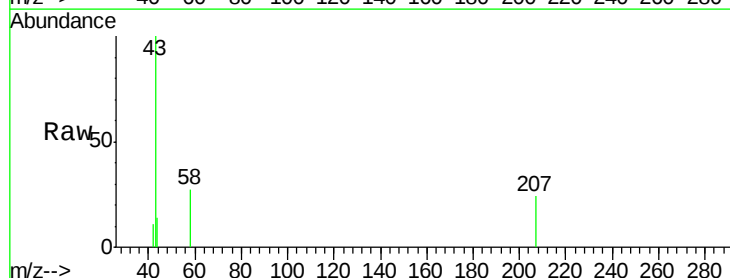
Acq: 9 Mar 2020 12:55

Tgt Ion: 43 Resp: 5705

Ion Ratio Lower Upper

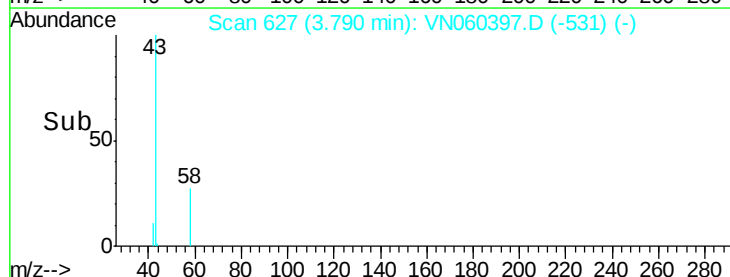
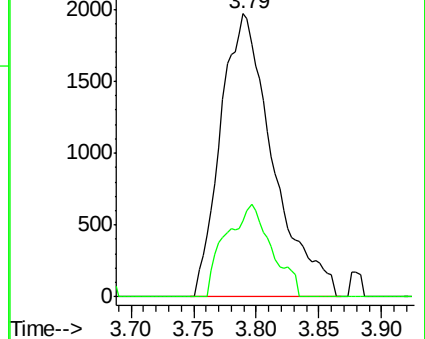
43 100

58 26.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

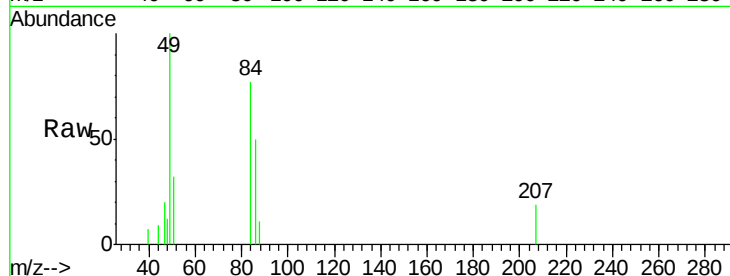




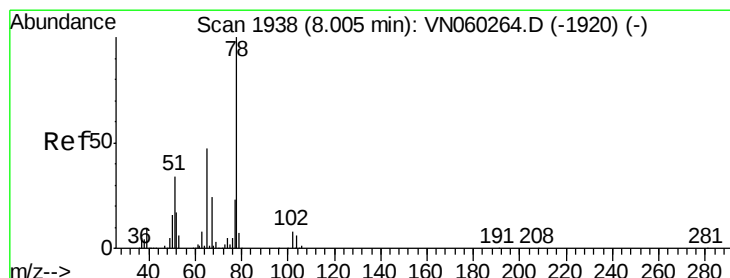
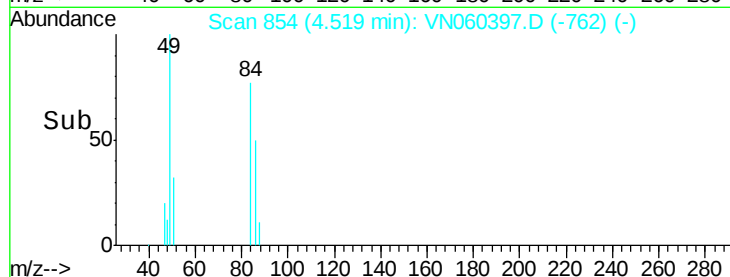
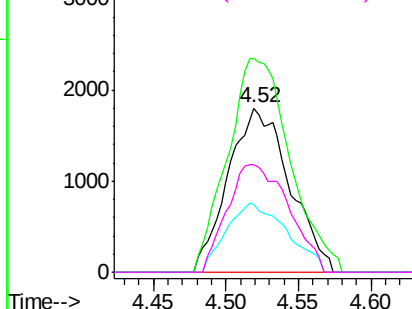
#20
Methylene Chloride
Concen: 2.26 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060397.D
Acq: 9 Mar 2020 12:55

Instrument :
MSVOA_N
ClientSampleId :
PB127354ZHE#02

Tgt Ion: 84 Resp: 5289
Ion Ratio Lower Upper
84 100
49 129.9 99.3 148.9
51 41.0 30.1 45.1
86 65.5 51.1 76.7

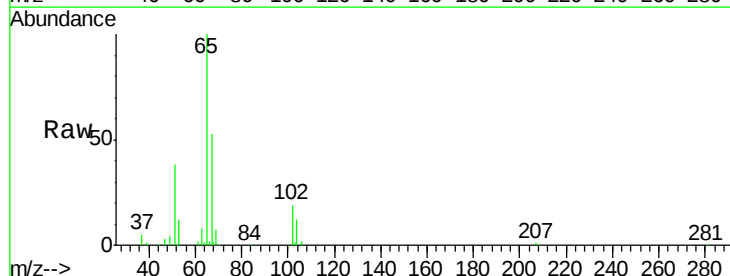


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

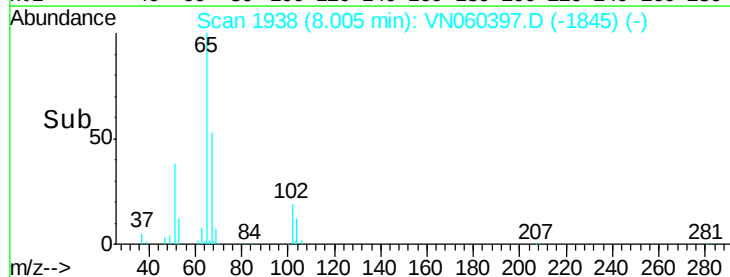
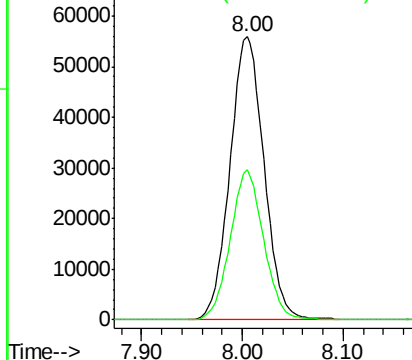


#33
1,2-Dichloroethane-d4
Concen: 49.76 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060397.D
Acq: 9 Mar 2020 12:55

Tgt Ion: 65 Resp: 131246
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

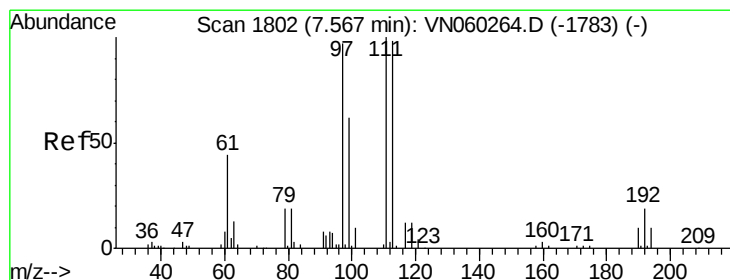
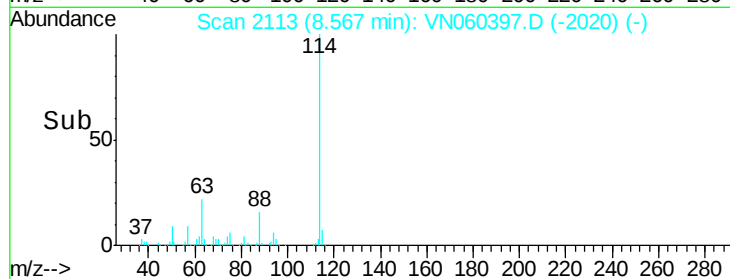
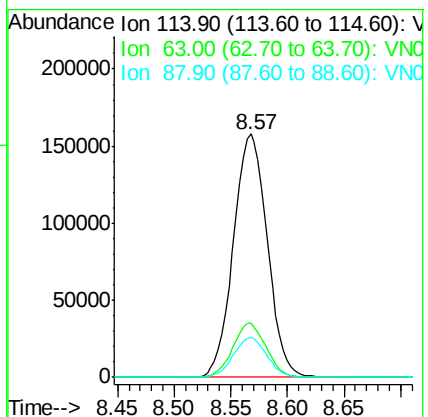
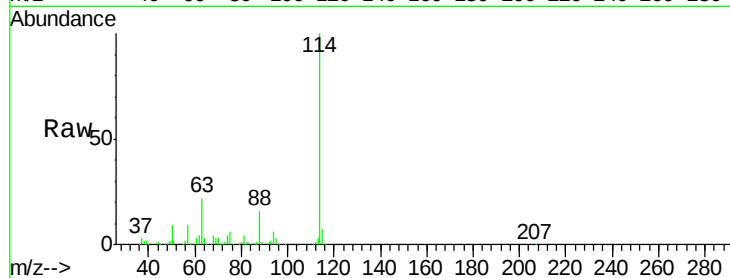




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060397.D
 Acq: 9 Mar 2020 12:55

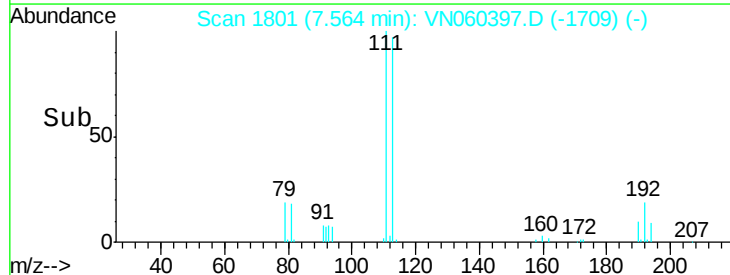
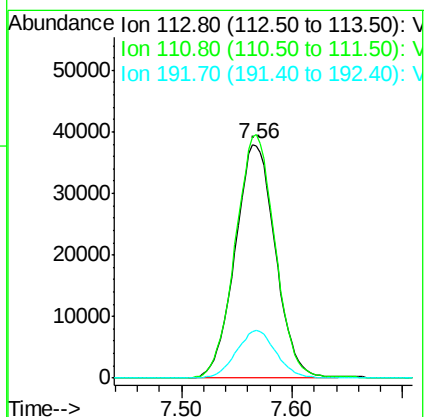
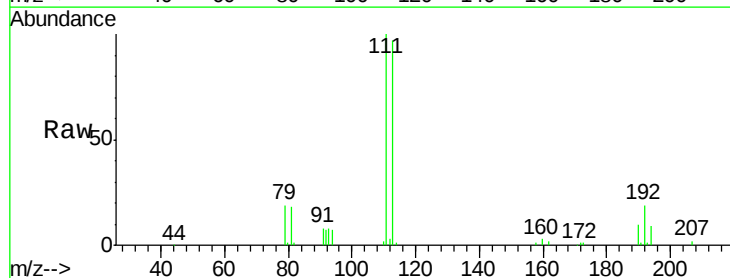
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#02

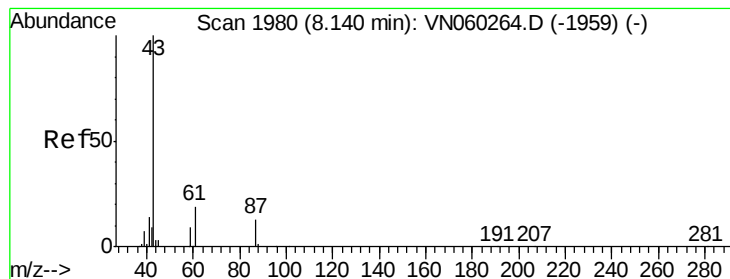
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	16.2	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 62.70 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060397.D
 Acq: 9 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	20.1	16.2	24.2





#43

Isopropyl Acetate

Concen: 8.38 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060397.D

Acq: 9 Mar 2020 12:55

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#02

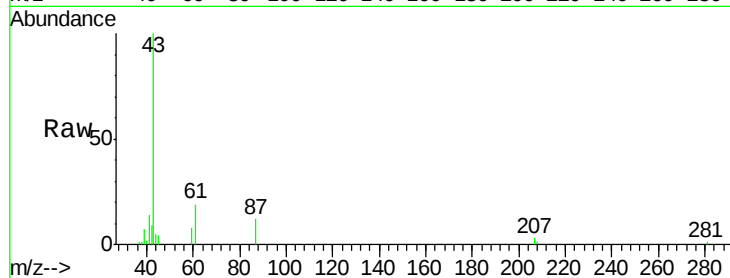
Tgt Ion: 43 Resp: 43687

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

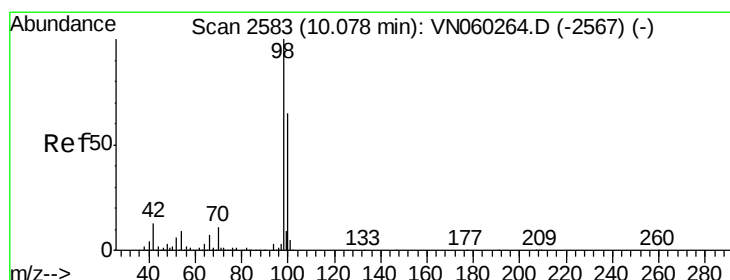
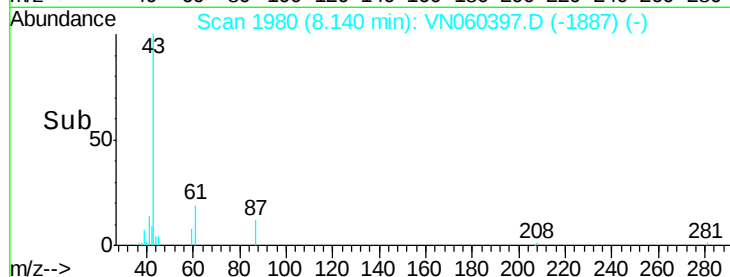
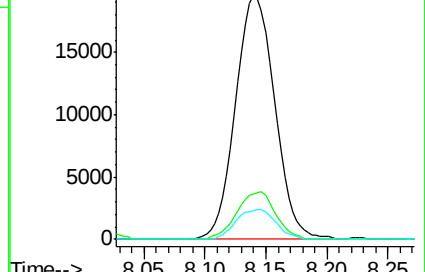
87 12.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#50

Toluene-d8

Concen: 52.80 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060397.D

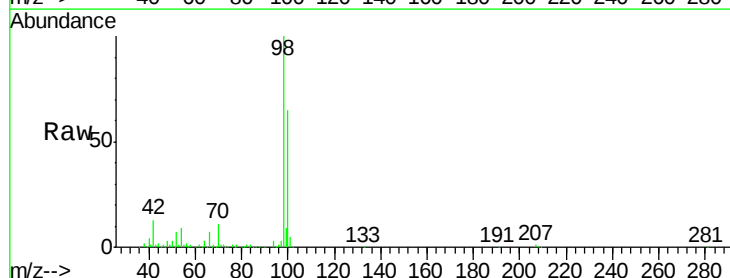
Acq: 9 Mar 2020 12:55

Tgt Ion: 98 Resp: 409195

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)

Ion 102.00 (101.70 to 102.70): VN060264.D (-2567) (-)

Ion 104.00 (103.70 to 104.70): VN060264.D (-2567) (-)

Ion 106.00 (105.70 to 106.70): VN060264.D (-2567) (-)

Ion 108.00 (107.70 to 108.70): VN060264.D (-2567) (-)

Ion 110.00 (109.70 to 110.70): VN060264.D (-2567) (-)

Ion 112.00 (111.70 to 112.70): VN060264.D (-2567) (-)

Ion 114.00 (113.70 to 114.70): VN060264.D (-2567) (-)

Ion 116.00 (115.70 to 116.70): VN060264.D (-2567) (-)

Ion 118.00 (117.70 to 118.70): VN060264.D (-2567) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-2567) (-)

Ion 122.00 (121.70 to 122.70): VN060264.D (-2567) (-)

Ion 124.00 (123.70 to 124.70): VN060264.D (-2567) (-)

Ion 126.00 (125.70 to 126.70): VN060264.D (-2567) (-)

Ion 128.00 (127.70 to 128.70): VN060264.D (-2567) (-)

Ion 130.00 (129.70 to 130.70): VN060264.D (-2567) (-)

Ion 132.00 (131.70 to 132.70): VN060264.D (-2567) (-)

Ion 134.00 (133.70 to 134.70): VN060264.D (-2567) (-)

Ion 136.00 (135.70 to 136.70): VN060264.D (-2567) (-)

Ion 138.00 (137.70 to 138.70): VN060264.D (-2567) (-)

Ion 140.00 (139.70 to 140.70): VN060264.D (-2567) (-)

Ion 142.00 (141.70 to 142.70): VN060264.D (-2567) (-)

Ion 144.00 (143.70 to 144.70): VN060264.D (-2567) (-)

Ion 146.00 (145.70 to 146.70): VN060264.D (-2567) (-)

Ion 148.00 (147.70 to 148.70): VN060264.D (-2567) (-)

Ion 150.00 (149.70 to 150.70): VN060264.D (-2567) (-)

Ion 152.00 (151.70 to 152.70): VN060264.D (-2567) (-)

Ion 154.00 (153.70 to 154.70): VN060264.D (-2567) (-)

Ion 156.00 (155.70 to 156.70): VN060264.D (-2567) (-)

Ion 158.00 (157.70 to 158.70): VN060264.D (-2567) (-)

Ion 160.00 (159.70 to 160.70): VN060264.D (-2567) (-)

Ion 162.00 (161.70 to 162.70): VN060264.D (-2567) (-)

Ion 164.00 (163.70 to 164.70): VN060264.D (-2567) (-)

Ion 166.00 (165.70 to 166.70): VN060264.D (-2567) (-)

Ion 168.00 (167.70 to 168.70): VN060264.D (-2567) (-)

Ion 170.00 (169.70 to 170.70): VN060264.D (-2567) (-)

Ion 172.00 (171.70 to 172.70): VN060264.D (-2567) (-)

Ion 174.00 (173.70 to 174.70): VN060264.D (-2567) (-)

Ion 176.00 (175.70 to 176.70): VN060264.D (-2567) (-)

Ion 178.00 (177.70 to 178.70): VN060264.D (-2567) (-)

Ion 180.00 (179.70 to 180.70): VN060264.D (-2567) (-)

Ion 182.00 (181.70 to 182.70): VN060264.D (-2567) (-)

Ion 184.00 (183.70 to 184.70): VN060264.D (-2567) (-)

Ion 186.00 (185.70 to 186.70): VN060264.D (-2567) (-)

Ion 188.00 (187.70 to 188.70): VN060264.D (-2567) (-)

Ion 190.00 (189.70 to 190.70): VN060264.D (-2567) (-)

Ion 192.00 (191.70 to 192.70): VN060264.D (-2567) (-)

Ion 194.00 (193.70 to 194.70): VN060264.D (-2567) (-)

Ion 196.00 (195.70 to 196.70): VN060264.D (-2567) (-)

Ion 198.00 (197.70 to 198.70): VN060264.D (-2567) (-)

Ion 200.00 (199.70 to 200.70): VN060264.D (-2567) (-)

Ion 202.00 (201.70 to 202.70): VN060264.D (-2567) (-)

Ion 204.00 (203.70 to 204.70): VN060264.D (-2567) (-)

Ion 206.00 (205.70 to 206.70): VN060264.D (-2567) (-)

Ion 208.00 (207.70 to 208.70): VN060264.D (-2567) (-)

Ion 210.00 (209.70 to 210.70): VN060264.D (-2567) (-)

Ion 212.00 (211.70 to 212.70): VN060264.D (-2567) (-)

Ion 214.00 (213.70 to 214.70): VN060264.D (-2567) (-)

Ion 216.00 (215.70 to 216.70): VN060264.D (-2567) (-)

Ion 218.00 (217.70 to 218.70): VN060264.D (-2567) (-)

Ion 220.00 (219.70 to 220.70): VN060264.D (-2567) (-)

Ion 222.00 (221.70 to 222.70): VN060264.D (-2567) (-)

Ion 224.00 (223.70 to 224.70): VN060264.D (-2567) (-)

Ion 226.00 (225.70 to 226.70): VN060264.D (-2567) (-)

Ion 228.00 (227.70 to 228.70): VN060264.D (-2567) (-)

Ion 230.00 (229.70 to 230.70): VN060264.D (-2567) (-)

Ion 232.00 (231.70 to 232.70): VN060264.D (-2567) (-)

Ion 234.00 (233.70 to 234.70): VN060264.D (-2567) (-)

Ion 236.00 (235.70 to 236.70): VN060264.D (-2567) (-)

Ion 238.00 (237.70 to 238.70): VN060264.D (-2567) (-)

Ion 240.00 (239.70 to 240.70): VN060264.D (-2567) (-)

Ion 242.00 (241.70 to 242.70): VN060264.D (-2567) (-)

Ion 244.00 (243.70 to 244.70): VN060264.D (-2567) (-)

Ion 246.00 (245.70 to 246.70): VN060264.D (-2567) (-)

Ion 248.00 (247.70 to 248.70): VN060264.D (-2567) (-)

Ion 250.00 (249.70 to 250.70): VN060264.D (-2567) (-)

Ion 252.00 (251.70 to 252.70): VN060264.D (-2567) (-)

Ion 254.00 (253.70 to 254.70): VN060264.D (-2567) (-)

Ion 256.00 (255.70 to 256.70): VN060264.D (-2567) (-)

Ion 258.00 (257.70 to 258.70): VN060264.D (-2567) (-)

Ion 260.00 (259.70 to 260.70): VN060264.D (-2567) (-)

Ion 262.00 (261.70 to 262.70): VN060264.D (-2567) (-)

Ion 264.00 (263.70 to 264.70): VN060264.D (-2567) (-)

Ion 266.00 (265.70 to 266.70): VN060264.D (-2567) (-)

Ion 268.00 (267.70 to 268.70): VN060264.D (-2567) (-)

Ion 270.00 (269.70 to 270.70): VN060264.D (-2567) (-)

Ion 272.00 (271.70 to 272.70): VN060264.D (-2567) (-)

Ion 274.00 (273.70 to 274.70): VN060264.D (-2567) (-)

Ion 276.00 (275.70 to 276.70): VN060264.D (-2567) (-)

Ion 278.00 (277.70 to 278.70): VN060264.D (-2567) (-)

Ion 280.00 (279.70 to 280.70): VN060264.D (-2567) (-)

Ion 282.00 (281.70 to 282.70): VN060264.D (-2567) (-)

Ion 284.00 (283.70 to 284.70): VN060264.D (-2567) (-)

Ion 286.00 (285.70 to 286.70): VN060264.D (-2567) (-)

Ion 288.00 (287.70 to 288.70): VN060264.D (-2567) (-)

Ion 290.00 (289.70 to 290.70): VN060264.D (-2567) (-)

Ion 292.00 (291.70 to 292.70): VN060264.D (-2567) (-)

Ion 294.00 (293.70 to 294.70): VN060264.D (-2567) (-)

Ion 296.00 (295.70 to 296.70): VN060264.D (-2567) (-)

Ion 298.00 (297.70 to 298.70): VN060264.D (-2567) (-)

Ion 300.00 (299.70 to 300.70): VN060264.D (-2567) (-)

Ion 302.00 (301.70 to 302.70): VN060264.D (-2567) (-)

Ion 304.00 (303.70 to 304.70): VN060264.D (-2567) (-)

Ion 306.00 (305.70 to 306.70): VN060264.D (-2567) (-)

Ion 308.00 (307.70 to 308.70): VN060264.D (-2567) (-)

Ion 310.00 (309.70 to 310.70): VN060264.D (-2567) (-)

Ion 312.00 (311.70 to 312.70): VN060264.D (-2567) (-)

Ion 314.00 (313.70 to 314.70): VN060264.D (-2567) (-)

Ion 316.00 (315.70 to 316.70): VN060264.D (-2567) (-)

Ion 318.00 (317.70 to 318.70): VN060264.D (-2567) (-)

Ion 320.00 (319.70 to 320.70): VN060264.D (-2567) (-)

Ion 322.00 (321.70 to 322.70): VN060264.D (-2567) (-)

Ion 324.00 (323.70 to 324.70): VN060264.D (-2567) (-)

Ion 326.00 (325.70 to 326.70): VN060264.D (-2567) (-)

Ion 328.00 (327.70 to 328.70): VN060264.D (-2567) (-)

Ion 330.00 (329.70 to 330.70): VN060264.D (-2567) (-)

Ion 332.00 (331.70 to 332.70): VN060264.D (-2567) (-)

Ion 334.00 (333.70 to 334.70): VN060264.D (-2567) (-)

Ion 336.00 (335.70 to 336.70): VN060264.D (-2567) (-)

Ion 338.00 (337.70 to 338.70): VN060264.D (-2567) (-)

Ion 340.00 (339.70 to 340.70): VN060264.D (-2567) (-)

Ion 342.00 (341.70 to 342.70): VN060264.D (-2567) (-)

Ion 344.00 (343.70 to 344.70): VN060264.D (-2567) (-)

Ion 346.00 (345.70 to 346.70): VN060264.D (-2567) (-)

Ion 348.00 (347.70 to 348.70): VN060264.D (-2567) (-)

Ion 350.00 (349.70 to 350.70): VN060264.D (-2567) (-)

Ion 352.00 (351.70 to 352.70): VN060264.D (-2567) (-)

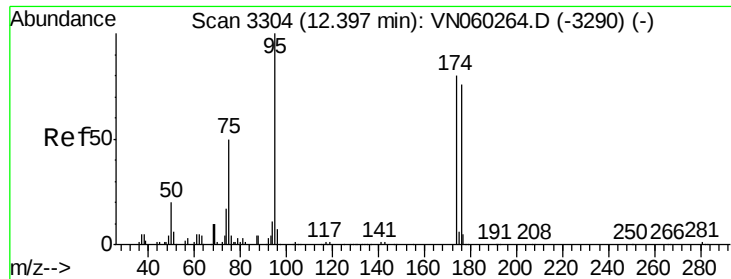
Ion 354.00 (353.70 to 354.70): VN060264.D (-2567) (-)

Ion 356.00 (355.70 to 356.70): VN060264.D (-2567) (-)

Ion 358.00 (357.70 to 358.70): VN060264.D (-2567) (-)

Ion 360.00 (359.70 to 360.70): VN060264.D (-2567) (-)

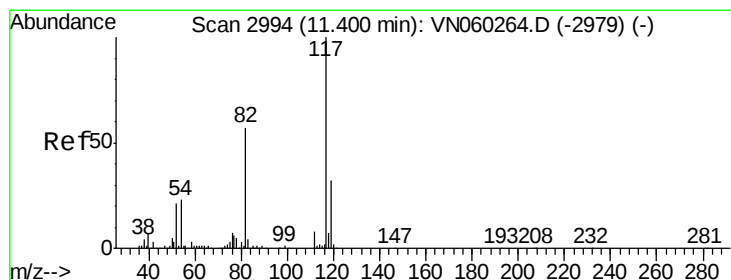
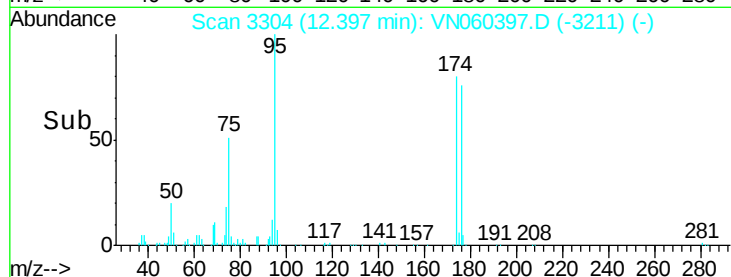
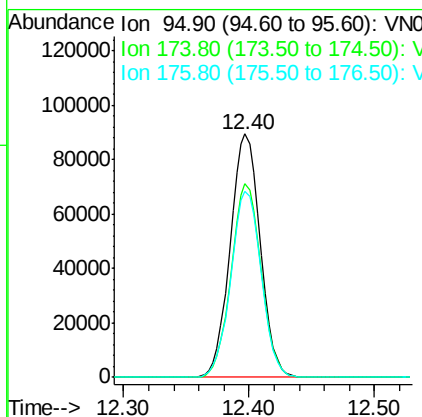
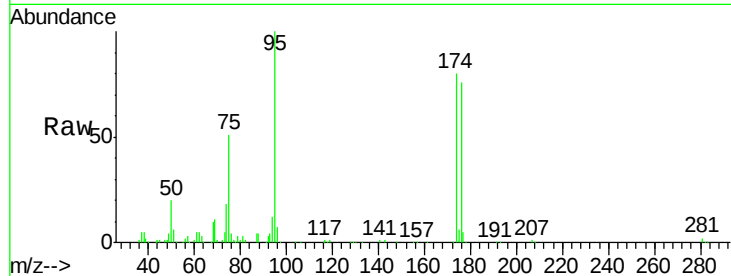
Ion 362.00 (361.70 to



#62
4-Bromofluorobenzene
Concen: 50.52 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060397.D
Acq: 9 Mar 2020 12:55

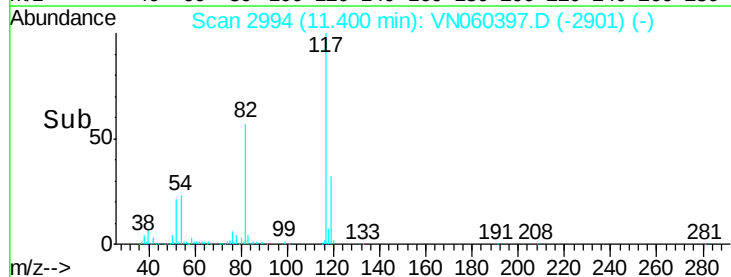
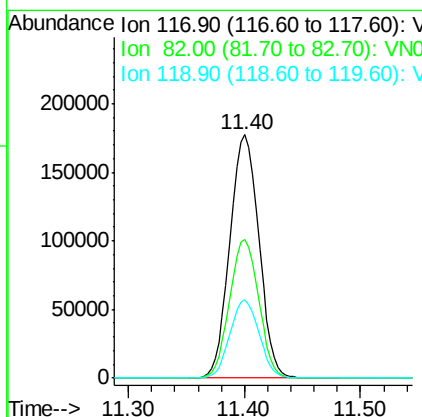
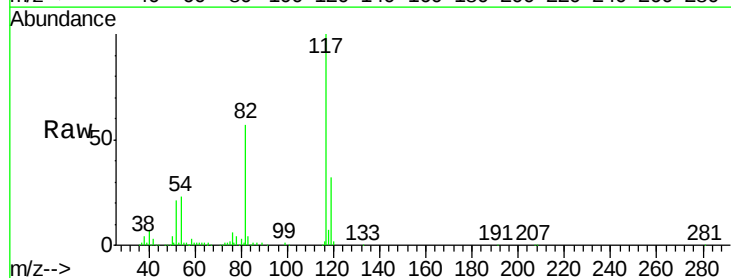
Instrument :
MSVOA_N
ClientSampleId :
PB127354ZHE#02

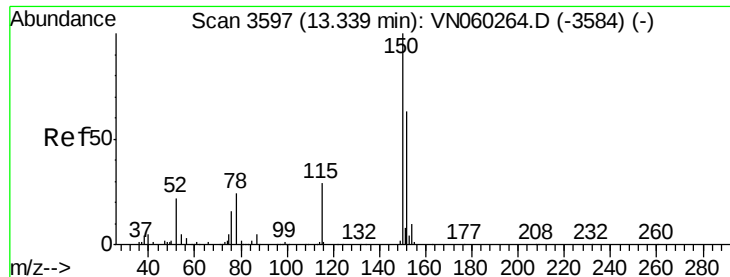
Tgt Ion: 95 Resp: 148424
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.2
176 77.4 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060397.D
Acq: 9 Mar 2020 12:55

Tgt Ion: 117 Resp: 307372
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060397.D

Acq: 9 Mar 2020 12:55

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#02

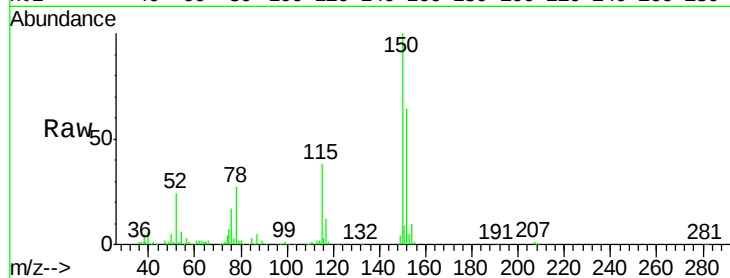
Tgt Ion:152 Resp: 137478

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

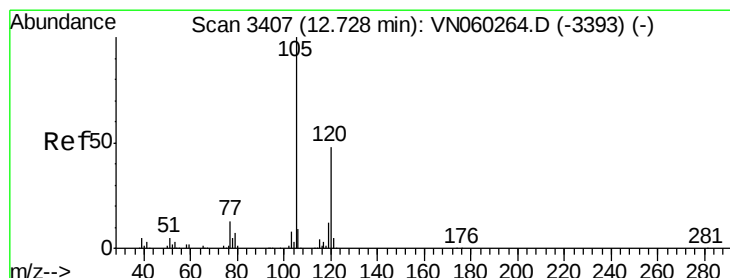
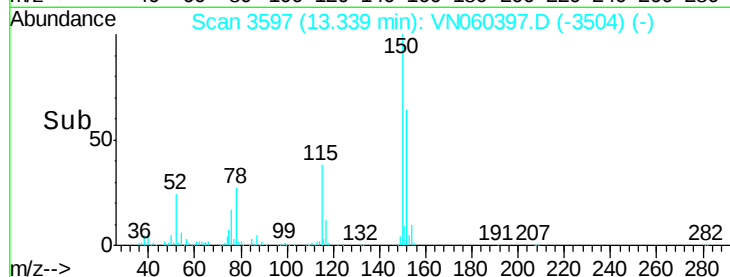
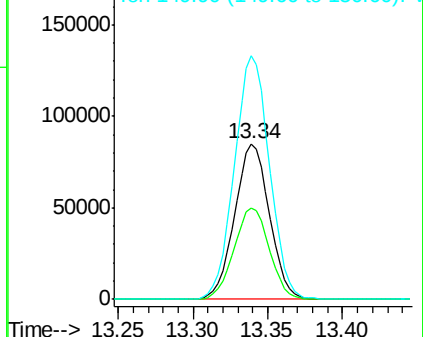
150 157.9 0.0 349.6



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



#80

1,3,5-Trimethylbenzene

Concen: 0.51 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060397.D

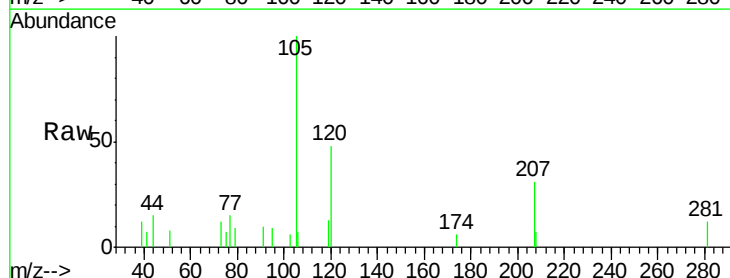
Acq: 9 Mar 2020 12:55

Tgt Ion:105 Resp: 4356

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

