

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052042.D
 Acq On : 26 Oct 2018 21:27
 Operator : MD\SY
 Sample : J5205-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-102518

Quant Time: Oct 27 01:10:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

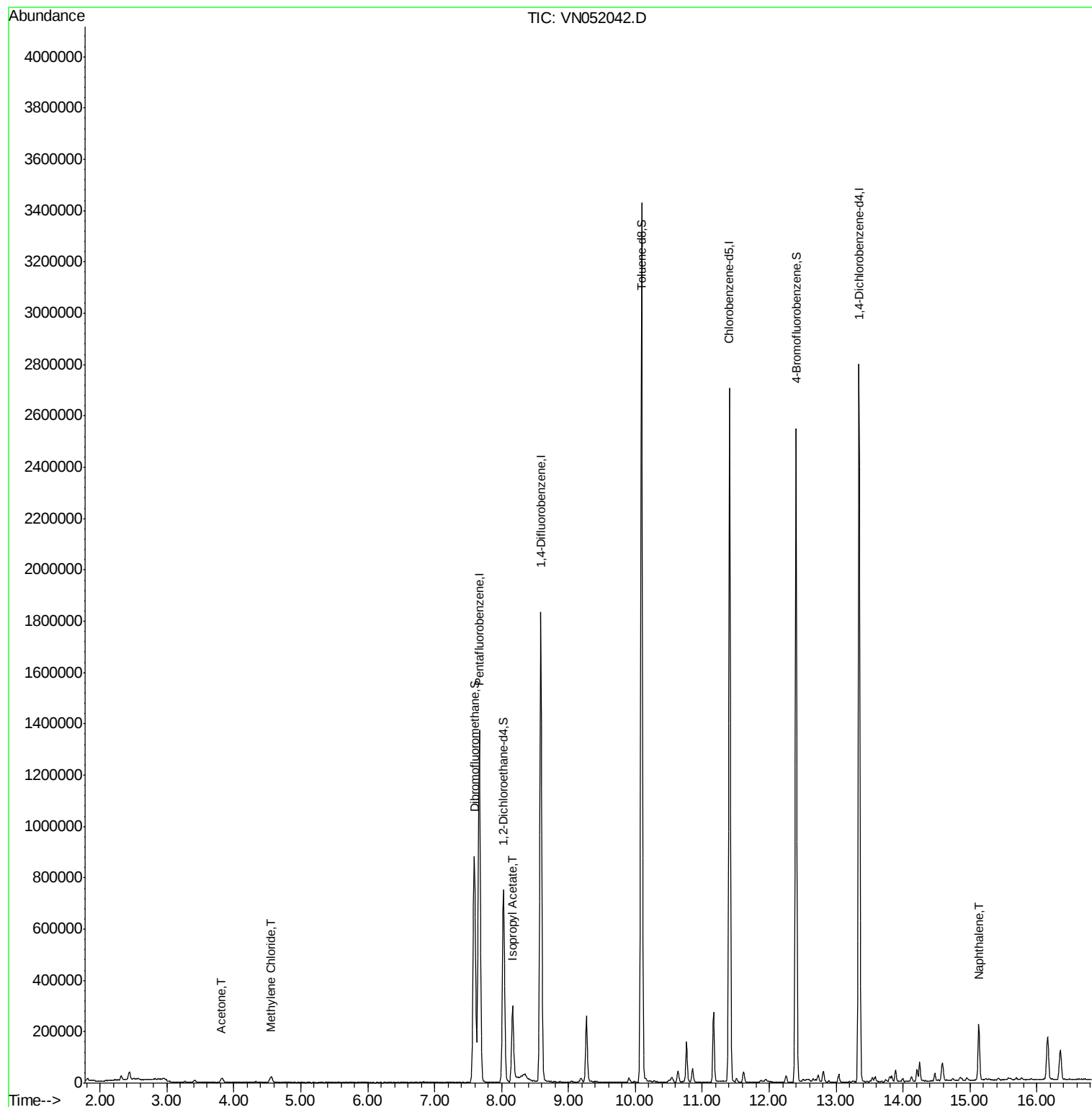
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1262103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1834975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1748186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	829473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	625080	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
35) Dibromofluoromethane	7.59	113	670907	57.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.60%	
50) Toluene-d8	10.09	98	2494310	58.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.90%	
62) 4-Bromofluorobenzene	12.40	95	794056	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
Target Compounds						
16) Acetone	3.82	43	31656	17.093	ug/l	98
20) Methylene Chloride	4.55	84	17844	1.642	ug/l	92
43) Isopropyl Acetate	8.17	43	346582	29.401	ug/l	97
95) Naphthalene	15.13	128	201534	6.065	ug/l	99

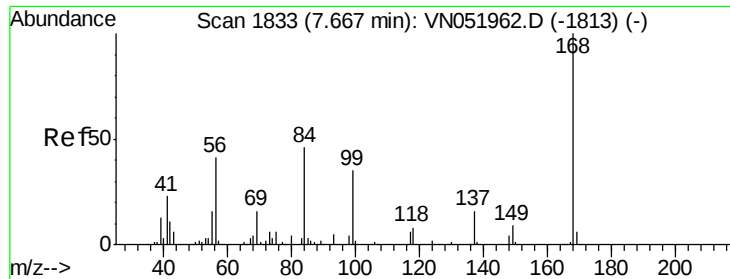
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102618\
Data File : VN052042.D
Acq On : 26 Oct 2018 21:27
Operator : MD\SY
Sample : J5205-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
TR-05-102518

Quant Time: Oct 27 01:10:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 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: VN052042.D

Acq: 26 Oct 2018 21:27

Instrument :

MSVOA_N

ClientSampleId :

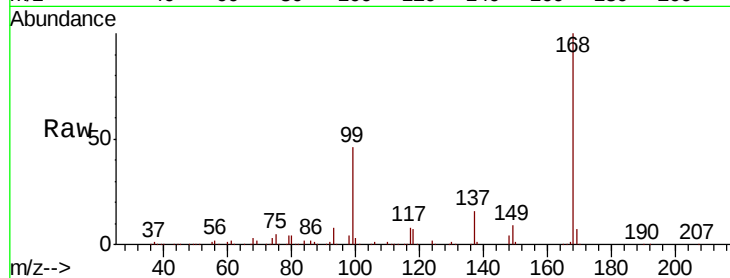
TR-05-102518

Tot Ion:168 Resp: 1262103

Ion Ratio Lower Upper

168 100

99 45.7 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

600000

500000

400000

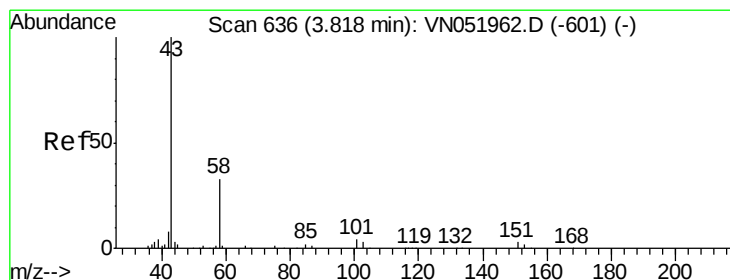
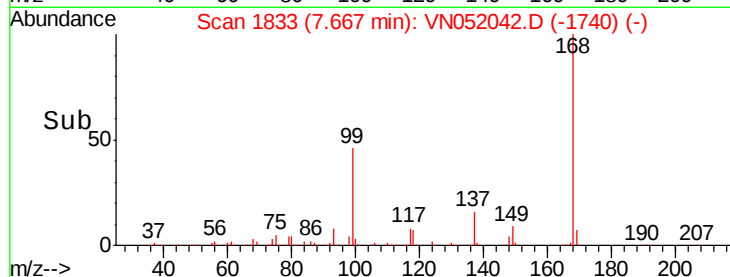
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 17.093 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052042.D

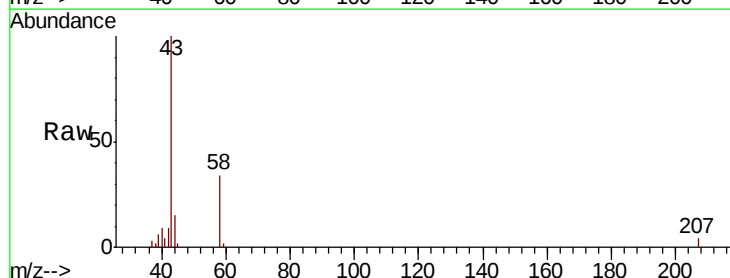
Acq: 26 Oct 2018 21:27

Tgt Ion: 43 Resp: 31656

Ion Ratio Lower Upper

43 100

58 34.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

12000

10000

8000

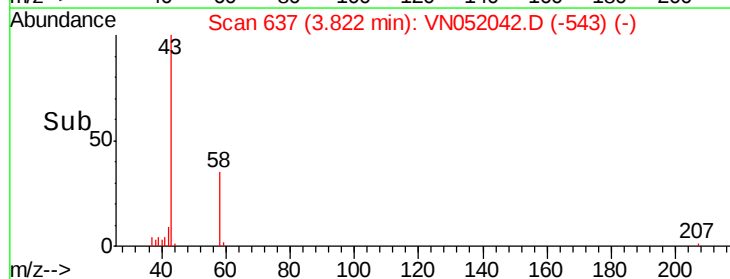
6000

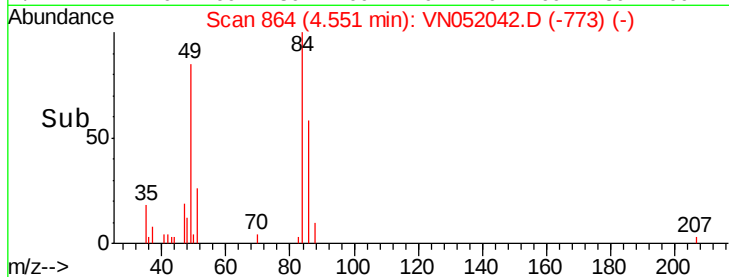
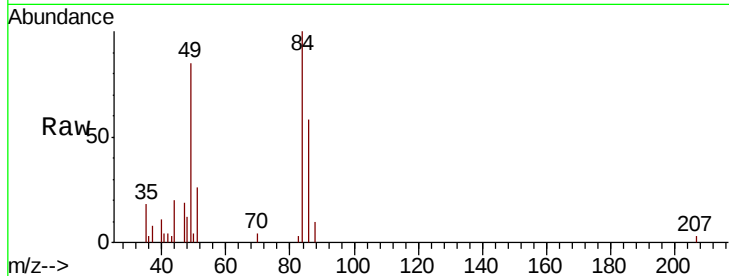
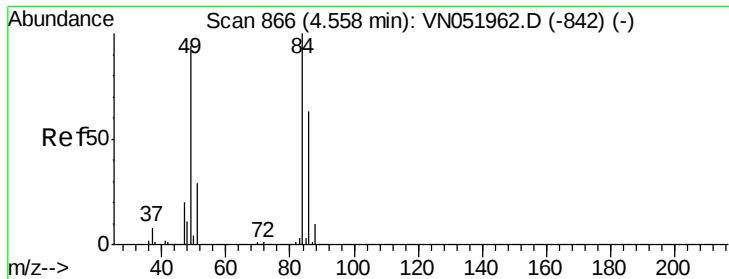
4000

2000

0

Time-->

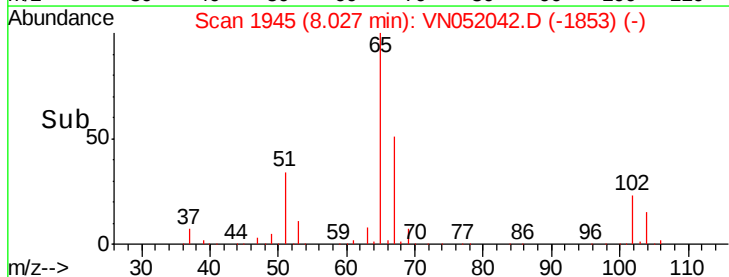
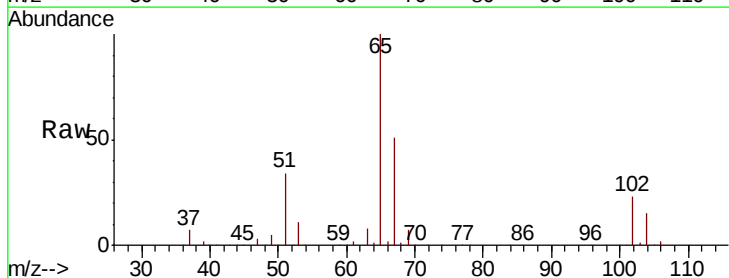
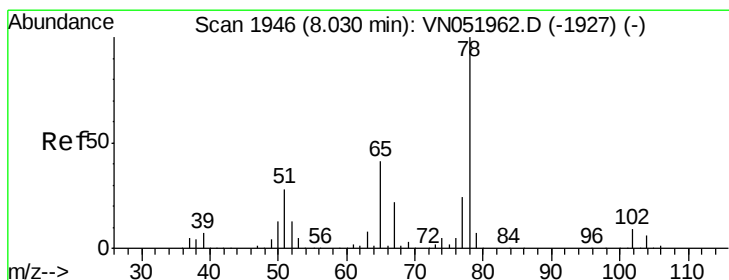
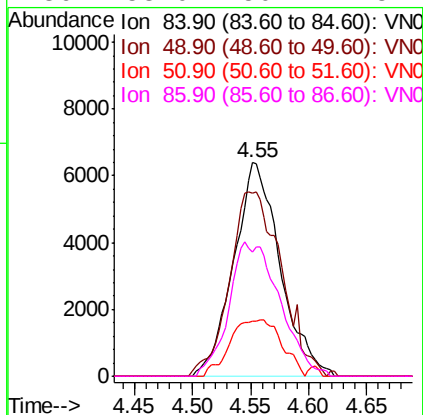




#20
Methvlene Chloride
Concen: 1.642 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052042.D
Acq: 26 Oct 2018 21:27

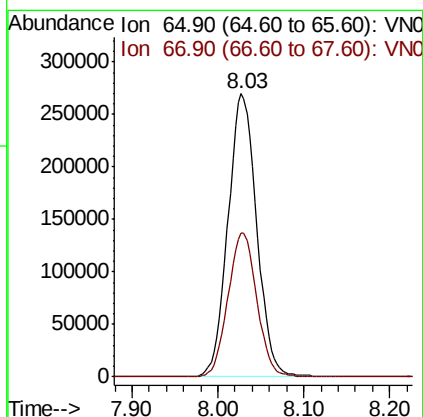
Instrument :
MSVOA_N
ClientSampleId :
TR-05-102518

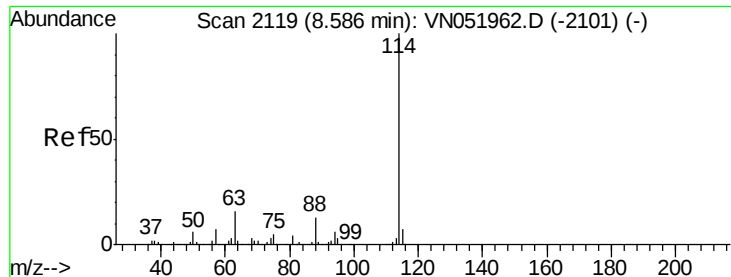
Tot Ion:	84	Resp:	17844
Ion	Ratio	Lower	Upper
84	100		
49	85.5	75.4	113.0
51	25.6	23.1	34.7
86	58.0	50.2	75.4



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052042.D
Acq: 26 Oct 2018 21:27

Tgt Ion:	65	Resp:	625080
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	105.8

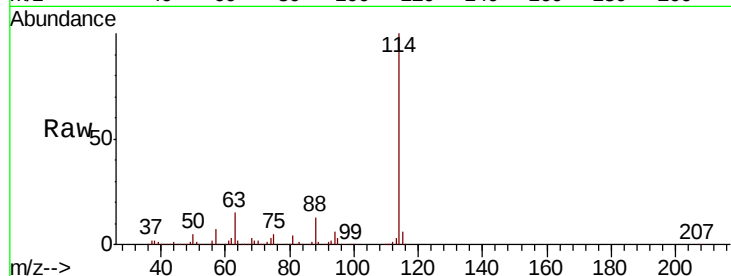




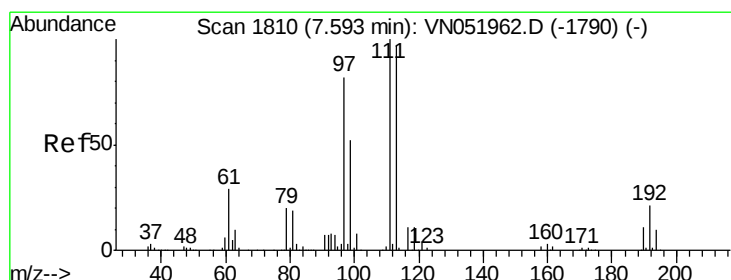
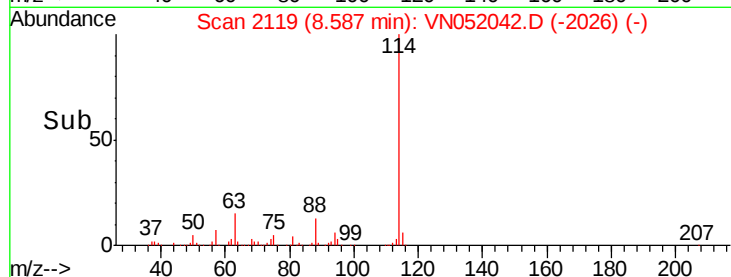
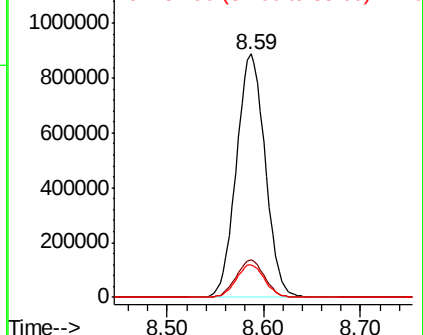
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052042.D
 Acq: 26 Oct 2018 21:27

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-102518

Tot Ion:114 Resp: 1834975
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.2
 88 13.3 0.0 27.0

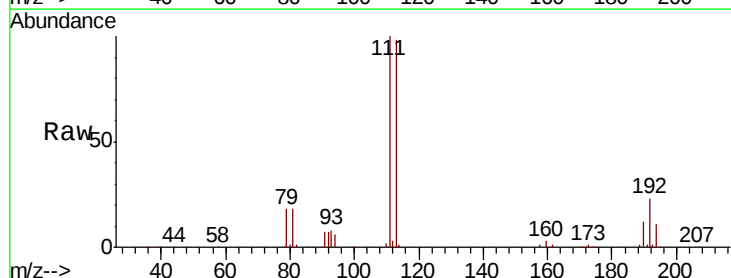


Abundance Ion 113.90 (113.60 to 114.60): V
 1200000 Ion 63.00 (62.70 to 63.70): VN
 1000000 Ion 87.90 (87.60 to 88.60): VN

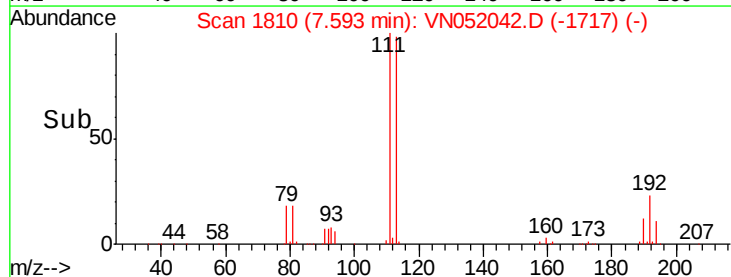
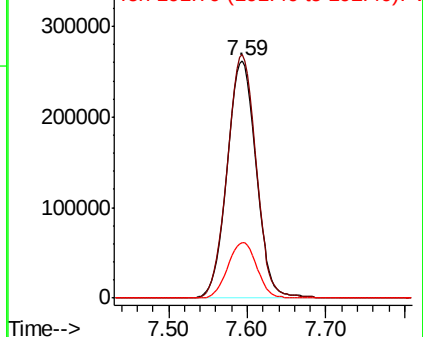


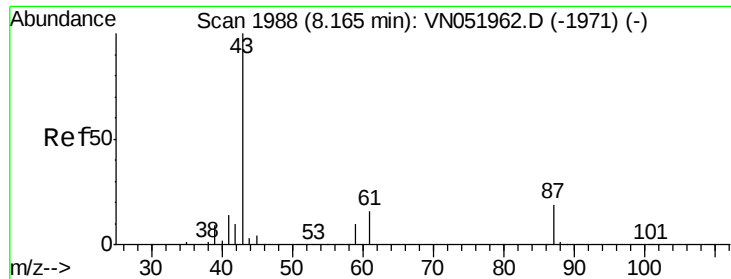
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052042.D
 Acq: 26 Oct 2018 21:27

Tgt Ion:113 Resp: 670907
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 23.3 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V
 300000 Ion 110.80 (110.50 to 111.50): V
 200000 Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 29.401 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052042.D

Acq: 26 Oct 2018 21:27

Instrument :

MSVOA_N

ClientSampleId :

TR-05-102518

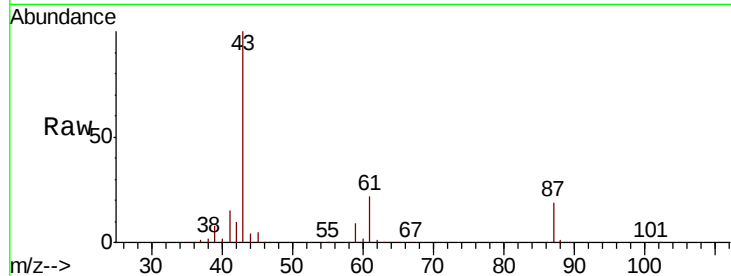
Tot Ion: 43 Resp: 346582

Ion Ratio Lower Upper

43 100

61 20.3 17.2 25.8

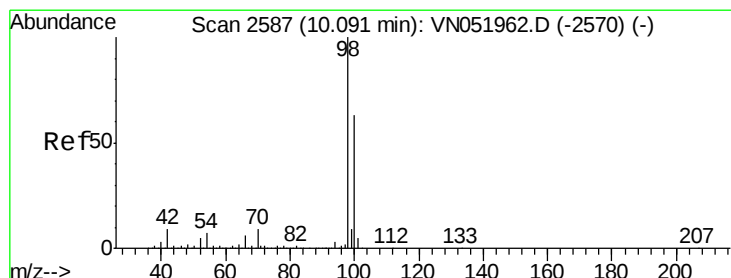
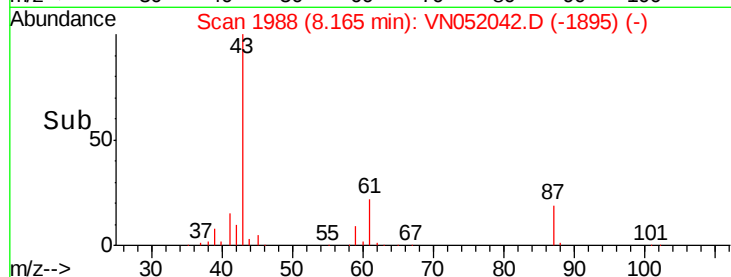
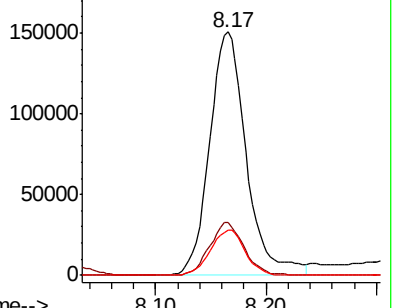
87 17.7 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052042.D

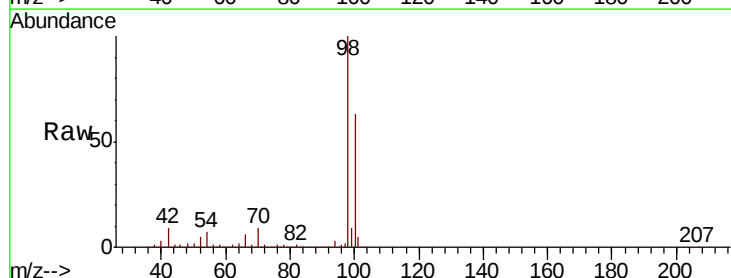
Acq: 26 Oct 2018 21:27

Tgt Ion: 98 Resp: 2494310

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)

Ion 112.00 (111.70 to 112.70): VN051962.D (-2570) (-)

Ion 133.00 (132.70 to 133.70): VN051962.D (-2570) (-)

Ion 207.00 (206.70 to 207.70): VN051962.D (-2570) (-)

Ion 229.00 (228.70 to 229.70): VN051962.D (-2570) (-)

Ion 252.00 (251.70 to 252.70): VN051962.D (-2570) (-)

Ion 275.00 (274.70 to 275.70): VN051962.D (-2570) (-)

Ion 298.00 (297.70 to 298.70): VN051962.D (-2570) (-)

Ion 321.00 (320.70 to 321.70): VN051962.D (-2570) (-)

Ion 344.00 (343.70 to 344.70): VN051962.D (-2570) (-)

Ion 367.00 (366.70 to 367.70): VN051962.D (-2570) (-)

Ion 390.00 (389.70 to 390.70): VN051962.D (-2570) (-)

Ion 413.00 (412.70 to 413.70): VN051962.D (-2570) (-)

Ion 436.00 (435.70 to 436.70): VN051962.D (-2570) (-)

Ion 459.00 (458.70 to 459.70): VN051962.D (-2570) (-)

Ion 482.00 (481.70 to 482.70): VN051962.D (-2570) (-)

Ion 505.00 (504.70 to 505.70): VN051962.D (-2570) (-)

Ion 528.00 (527.70 to 528.70): VN051962.D (-2570) (-)

Ion 551.00 (550.70 to 551.70): VN051962.D (-2570) (-)

Ion 574.00 (573.70 to 574.70): VN051962.D (-2570) (-)

Ion 597.00 (596.70 to 597.70): VN051962.D (-2570) (-)

Ion 620.00 (619.70 to 620.70): VN051962.D (-2570) (-)

Ion 643.00 (642.70 to 643.70): VN051962.D (-2570) (-)

Ion 666.00 (665.70 to 666.70): VN051962.D (-2570) (-)

Ion 689.00 (688.70 to 689.70): VN051962.D (-2570) (-)

Ion 712.00 (711.70 to 712.70): VN051962.D (-2570) (-)

Ion 735.00 (734.70 to 735.70): VN051962.D (-2570) (-)

Ion 758.00 (757.70 to 758.70): VN051962.D (-2570) (-)

Ion 781.00 (780.70 to 781.70): VN051962.D (-2570) (-)

Ion 804.00 (803.70 to 804.70): VN051962.D (-2570) (-)

Ion 827.00 (826.70 to 827.70): VN051962.D (-2570) (-)

Ion 850.00 (849.70 to 850.70): VN051962.D (-2570) (-)

Ion 873.00 (872.70 to 873.70): VN051962.D (-2570) (-)

Ion 896.00 (895.70 to 896.70): VN051962.D (-2570) (-)

Ion 919.00 (918.70 to 919.70): VN051962.D (-2570) (-)

Ion 942.00 (941.70 to 942.70): VN051962.D (-2570) (-)

Ion 965.00 (964.70 to 965.70): VN051962.D (-2570) (-)

Ion 988.00 (987.70 to 988.70): VN051962.D (-2570) (-)

Ion 1011.00 (1010.70 to 1011.70): VN051962.D (-2570) (-)

Ion 1034.00 (1033.70 to 1034.70): VN051962.D (-2570) (-)

Ion 1057.00 (1056.70 to 1057.70): VN051962.D (-2570) (-)

Ion 1080.00 (1079.70 to 1080.70): VN051962.D (-2570) (-)

Ion 1103.00 (1102.70 to 1103.70): VN051962.D (-2570) (-)

Ion 1126.00 (1125.70 to 1126.70): VN051962.D (-2570) (-)

Ion 1149.00 (1148.70 to 1149.70): VN051962.D (-2570) (-)

Ion 1172.00 (1171.70 to 1172.70): VN051962.D (-2570) (-)

Ion 1195.00 (1194.70 to 1195.70): VN051962.D (-2570) (-)

Ion 1218.00 (1217.70 to 1218.70): VN051962.D (-2570) (-)

Ion 1241.00 (1240.70 to 1241.70): VN051962.D (-2570) (-)

Ion 1264.00 (1263.70 to 1264.70): VN051962.D (-2570) (-)

Ion 1287.00 (1286.70 to 1287.70): VN051962.D (-2570) (-)

Ion 1310.00 (1309.70 to 1310.70): VN051962.D (-2570) (-)

Ion 1333.00 (1332.70 to 1333.70): VN051962.D (-2570) (-)

Ion 1356.00 (1355.70 to 1356.70): VN051962.D (-2570) (-)

Ion 1379.00 (1378.70 to 1379.70): VN051962.D (-2570) (-)

Ion 1402.00 (1401.70 to 1402.70): VN051962.D (-2570) (-)

Ion 1425.00 (1424.70 to 1425.70): VN051962.D (-2570) (-)

Ion 1448.00 (1447.70 to 1448.70): VN051962.D (-2570) (-)

Ion 1471.00 (1470.70 to 1471.70): VN051962.D (-2570) (-)

Ion 1494.00 (1493.70 to 1494.70): VN051962.D (-2570) (-)

Ion 1517.00 (1516.70 to 1517.70): VN051962.D (-2570) (-)

Ion 1540.00 (1539.70 to 1540.70): VN051962.D (-2570) (-)

Ion 1563.00 (1562.70 to 1563.70): VN051962.D (-2570) (-)

Ion 1586.00 (1585.70 to 1586.70): VN051962.D (-2570) (-)

Ion 1609.00 (1608.70 to 1609.70): VN051962.D (-2570) (-)

Ion 1632.00 (1631.70 to 1632.70): VN051962.D (-2570) (-)

Ion 1655.00 (1654.70 to 1655.70): VN051962.D (-2570) (-)

Ion 1678.00 (1677.70 to 1678.70): VN051962.D (-2570) (-)

Ion 1701.00 (1700.70 to 1701.70): VN051962.D (-2570) (-)

Ion 1724.00 (1723.70 to 1724.70): VN051962.D (-2570) (-)

Ion 1747.00 (1746.70 to 1747.70): VN051962.D (-2570) (-)

Ion 1770.00 (1769.70 to 1770.70): VN051962.D (-2570) (-)

Ion 1793.00 (1792.70 to 1793.70): VN051962.D (-2570) (-)

Ion 1816.00 (1815.70 to 1816.70): VN051962.D (-2570) (-)

Ion 1839.00 (1838.70 to 1839.70): VN051962.D (-2570) (-)

Ion 1862.00 (1861.70 to 1862.70): VN051962.D (-2570) (-)

Ion 1885.00 (1884.70 to 1885.70): VN051962.D (-2570) (-)

Ion 1908.00 (1907.70 to 1908.70): VN051962.D (-2570) (-)

Ion 1931.00 (1930.70 to 1931.70): VN051962.D (-2570) (-)

Ion 1954.00 (1953.70 to 1954.70): VN051962.D (-2570) (-)

Ion 1977.00 (1976.70 to 1977.70): VN051962.D (-2570) (-)

Ion 2000.00 (1999.70 to 2000.70): VN051962.D (-2570) (-)

Ion 2023.00 (2022.70 to 2023.70): VN051962.D (-2570) (-)

Ion 2046.00 (2045.70 to 2046.70): VN051962.D (-2570) (-)

Ion 2069.00 (2068.70 to 2069.70): VN051962.D (-2570) (-)

Ion 2092.00 (2091.70 to 2092.70): VN051962.D (-2570) (-)

Ion 2115.00 (2114.70 to 2115.70): VN051962.D (-2570) (-)

Ion 2138.00 (2137.70 to 2138.70): VN051962.D (-2570) (-)

Ion 2161.00 (2160.70 to 2161.70): VN051962.D (-2570) (-)

Ion 2184.00 (2183.70 to 2184.70): VN051962.D (-2570) (-)

Ion 2207.00 (2206.70 to 2207.70): VN051962.D (-2570) (-)

Ion 2230.00 (2229.70 to 2230.70): VN051962.D (-2570) (-)

Ion 2253.00 (2252.70 to 2253.70): VN051962.D (-2570) (-)

Ion 2276.00 (2275.70 to 2276.70): VN051962.D (-2570) (-)

Ion 2299.00 (2298.70 to 2299.70): VN051962.D (-2570) (-)

Ion 2322.00 (2321.70 to 2322.70): VN051962.D (-2570) (-)

Ion 2345.00 (2344.70 to 2345.70): VN051962.D (-2570) (-)

Ion 2368.00 (2367.70 to 2368.70): VN051962.D (-2570) (-)

Ion 2391.00 (2390.70 to 2391.70): VN051962.D (-2570) (-)

Ion 2414.00 (2413.70 to 2414.70): VN051962.D (-2570) (-)

Ion 2437.00 (2436.70 to 2437.70): VN051962.D (-2570) (-)

Ion 2460.00 (2459.70 to 2460.70): VN051962.D (-2570) (-)

Ion 2483.00 (2482.70 to 2483.70): VN051962.D (-2570) (-)

Ion 2506.00 (2505.70 to 2506.70): VN051962.D (-2570) (-)

Ion 2529.00 (2528.70 to 2529.70): VN051962.D (-2570) (-)

Ion 2552.00 (2551.70 to 2552.70): VN051962.D (-2570) (-)

Ion 2575.00 (2574.70 to 2575.70): VN051962.D (-2570) (-)

Ion 2598.00 (2597.70 to 2598.70): VN051962.D (-2570) (-)

Ion 2621.00 (2620.70 to 2621.70): VN051962.D (-2570) (-)

Ion 2644.00 (2643.70 to 2644.70): VN051962.D (-2570) (-)

Ion 2667.00 (2666.70 to 2667.70): VN051962.D (-2570) (-)

Ion 2690.00 (2689.70 to 2690.70): VN051962.D (-2570) (-)

Ion 2713.00 (2712.70 to 2713.70): VN051962.D (-2570) (-)

Ion 2736.00 (2735.70 to 2736.70): VN051962.D (-2570) (-)

Ion 2759.00 (2758.70 to 2759.70): VN051962.D (-2570) (-)

Ion 2782.00 (2781.70 to 2782.70): VN051962.D (-2570) (-)

Ion 2805.00 (2804.70 to 2805.70): VN051962.D (-2570) (-)

Ion 2828.00 (2827.70 to 2828.70): VN051962.D (-2570) (-)

Ion 2851.00 (2850.70 to 2851.70): VN051962.D (-2570) (-)

Ion 2874.00 (2873.70 to 2874.70): VN051962.D (-2570) (-)

Ion 2897.00 (2896.70 to 2897.70): VN051962.D (-2570) (-)

Ion 2920.00 (2919.70 to 2920.70): VN051962.D (-2570) (-)

Ion 2943.00 (2942.70 to 2943.70): VN051962.D (-2570) (-)

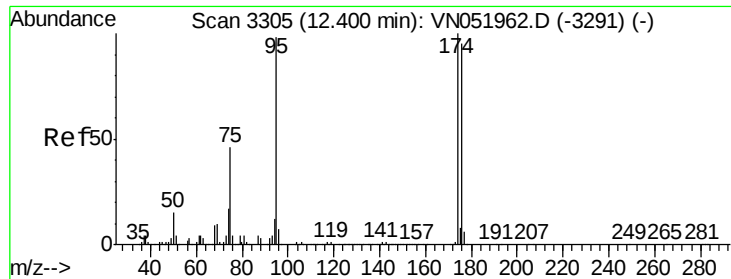
Ion 2966.00 (2965.70 to 2966.70): VN051962.D (-2570) (-)

Ion 2989.00 (2988.70 to 2989.70): VN051962.D (-2570) (-)

Ion 3012.00 (3011.70 to 3012.70): VN051962.D (-2570) (-)

Ion 3035.00 (3034.70 to 3035.70): VN051962.D (-2570) (-)

Ion 3058.00 (3057.70 to 3058.70): VN051



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052042.D

Acq: 26 Oct 2018 21:27

Instrument :

MSVOA_N

ClientSampleId :

TR-05-102518

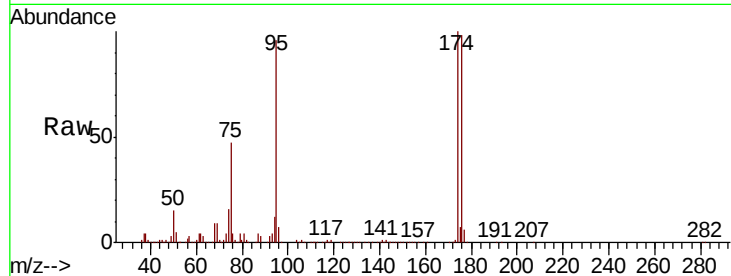
Tot Ion: 95 Resp: 794056

Ion Ratio Lower Upper

95 100

174 105.9 0.0 206.0

176 103.7 0.0 198.0



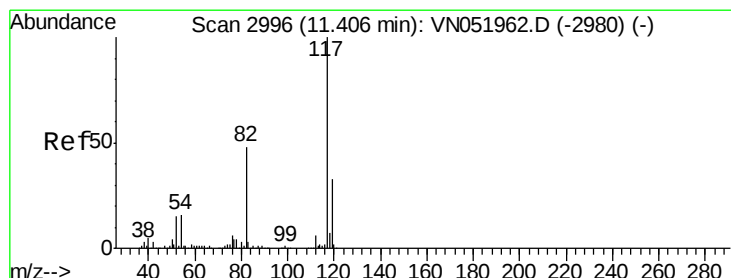
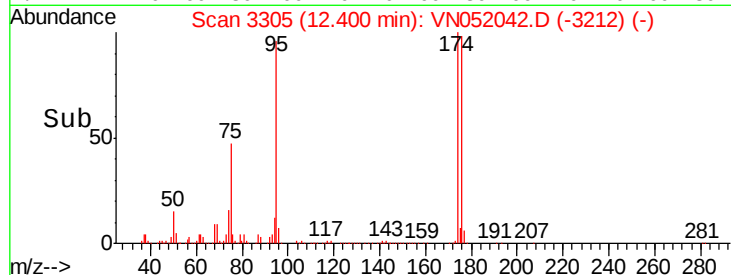
Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)

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: VN052042.D

Acq: 26 Oct 2018 21:27

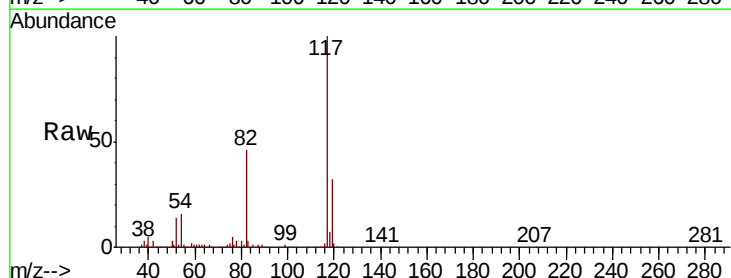
Tgt Ion: 117 Resp: 1748186

Ion Ratio Lower Upper

117 100

82 45.6 38.1 57.1

119 32.3 26.4 39.6



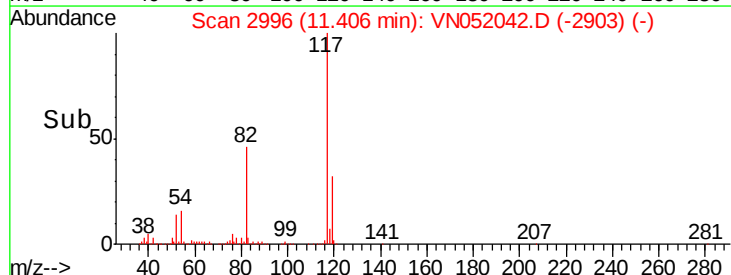
Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

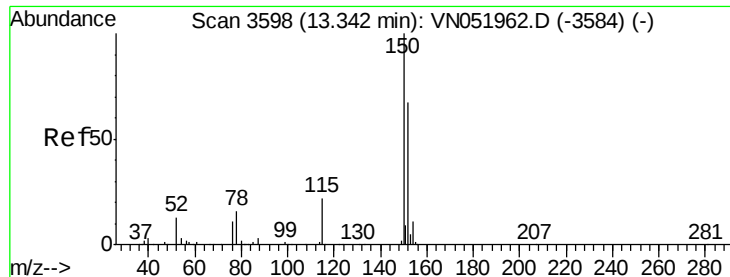
Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)

Time-->

11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052042.D

Acq: 26 Oct 2018 21:27

Instrument :

MSVOA_N

ClientSampleId :

TR-05-102518

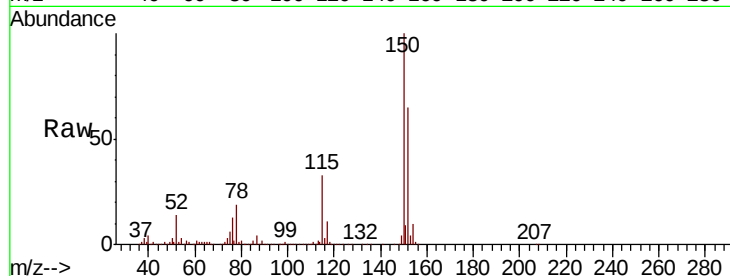
Tot Ion:152 Resp: 829473

Ion Ratio Lower Upper

152 100

115 51.4 25.8 77.3

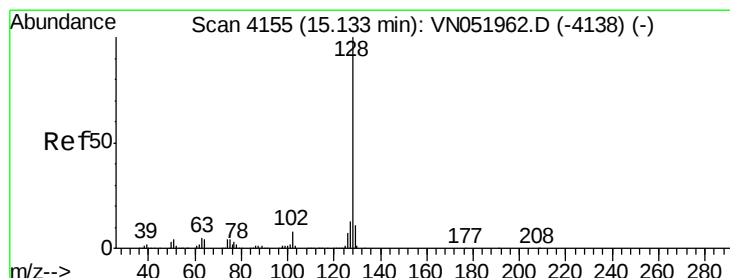
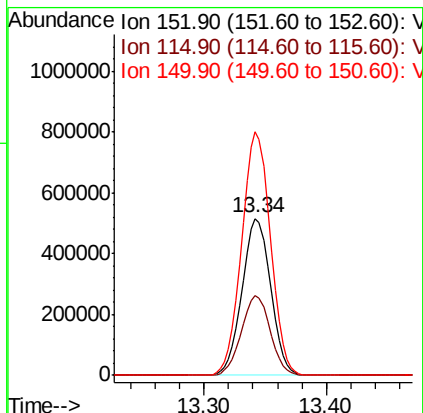
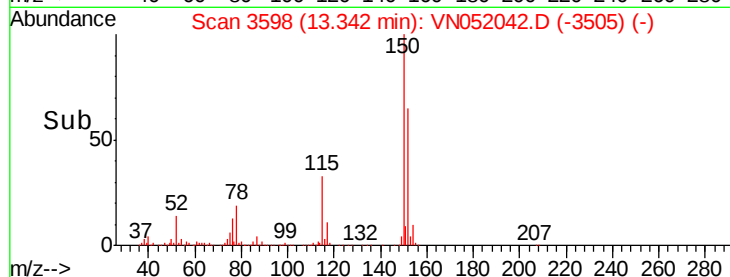
150 155.8 0.0 344.4



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



#95

Naphthalene

Concen: 6.065 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052042.D

Acq: 26 Oct 2018 21:27

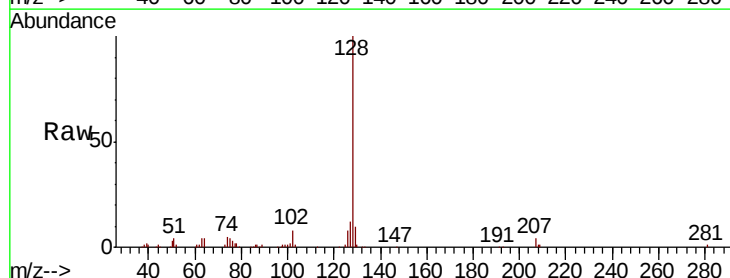
Tgt Ion:128 Resp: 201534

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.5 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

