

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059874.D
 Acq On : 27 Jan 2020 15:52
 Operator : JC/MD
 Sample : L1008-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:10:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

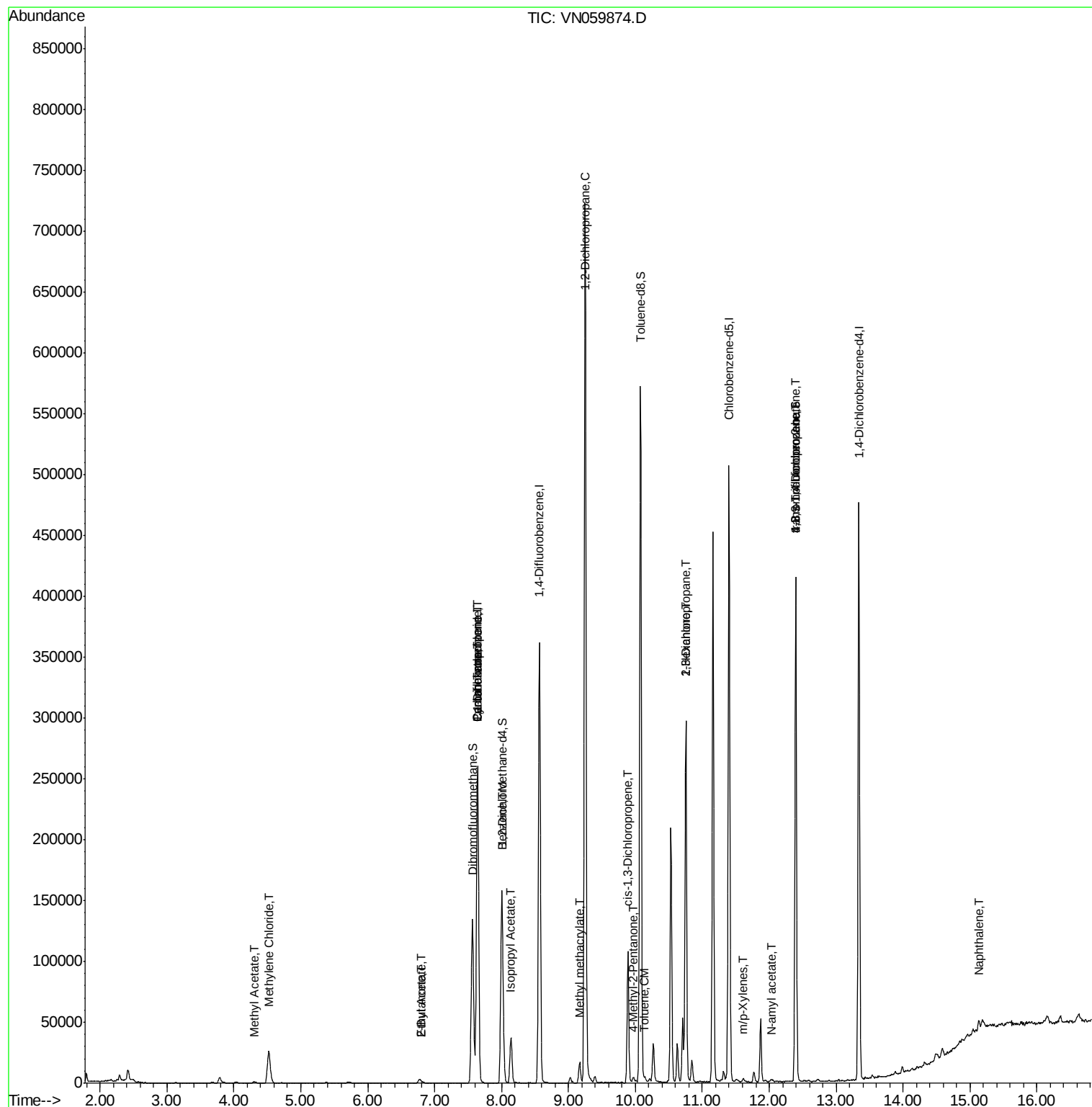
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	118885	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.56	113	103737	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.08	98	405146	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	137219	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	7540	Below Cal		95
18) Methyl Acetate	4.30	43	2464	0.834 ug/l #		80
20) Methylene Chloride	4.52	84	21332	8.238 ug/l		89
25) 2-Butanone	6.82	43	740	0.516 ug/l #		56
31) Cyclohexane	7.64	56	4155	1.110 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	15202	5.082 ug/l #		50
37) Ethyl Acetate	6.82	43	740	0.264 ug/l #		69
38) Carbon Tetrachloride	7.64	117	20880	6.417 ug/l #		16
40) Benzene	8.02	78	34832	3.904 ug/l		100
43) Isopropyl Acetate	8.14	43	44031	9.124 ug/l #		91
45) 1,2-Dichloropropane	9.25	63	949	0.430 ug/l #		44
48) Methyl methacrylate	9.17	41	2387	1.106 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	3169	1.136 ug/l		91
52) Toluene	10.14	92	1805	0.320 ug/l		88
54) cis-1,3-Dichloropropene	9.89	75	20861	5.658 ug/l #		57
57) 1,3-Dichloropropane	10.75	76	3028	0.855 ug/l #		42
59) 2-Hexanone	10.75	43	40731	19.819 ug/l #		56
68) m/p-Xylenes	11.61	106	965	0.234 ug/l		92
74) N-amyl acetate	12.03	43	1875	0.500 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	68675	30.942 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	68675	66.449 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	31	Below Cal #		6
95) Naphthalene	15.13	128	7564	1.052 ug/l #		95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012720\
Data File : VN059874.D
Acq On : 27 Jan 2020 15:52
Operator : JC/MD
Sample : L1008-21
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 27 23:10:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

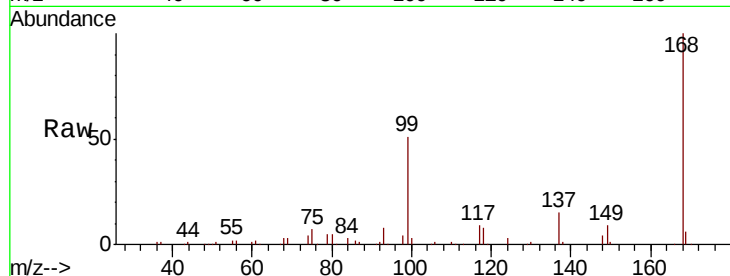
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 227836

Ion Ratio Lower Upper

168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

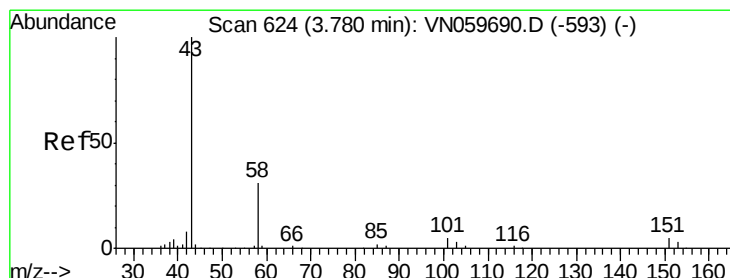
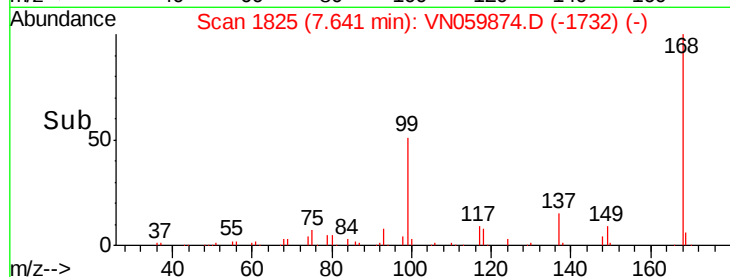
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059874.D

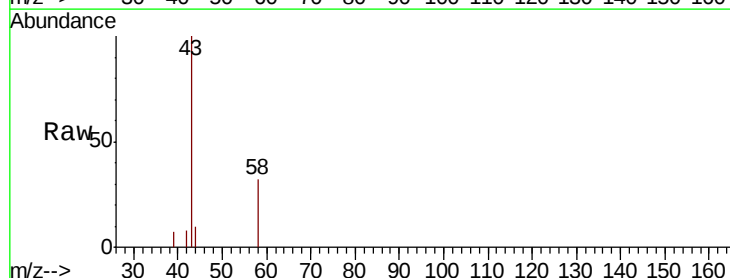
Acq: 27 Jan 2020 15:52

Tgt Ion: 43 Resp: 7540

Ion Ratio Lower Upper

43 100

58 32.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

3000

2500

2000

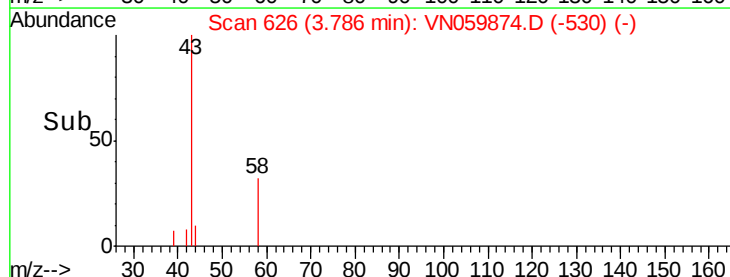
1500

1000

500

0

Time--> 3.70 3.75 3.80 3.85

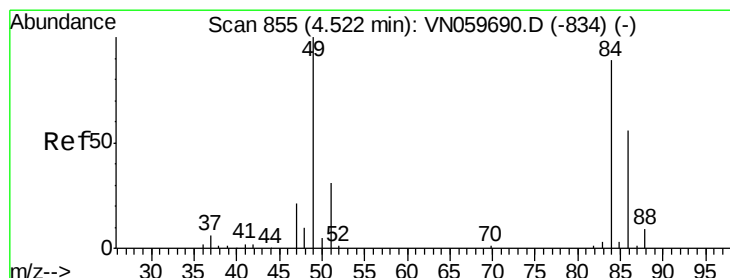
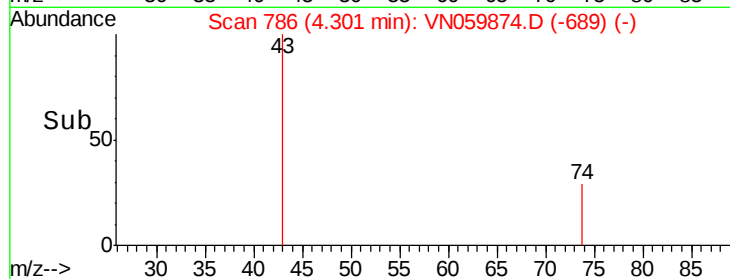
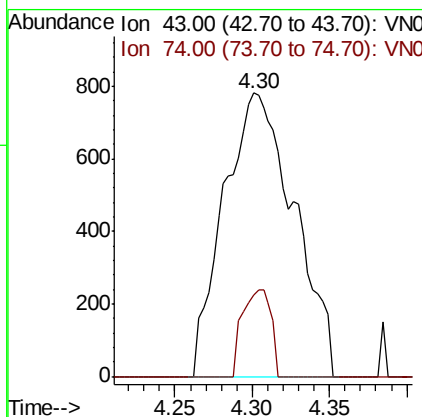
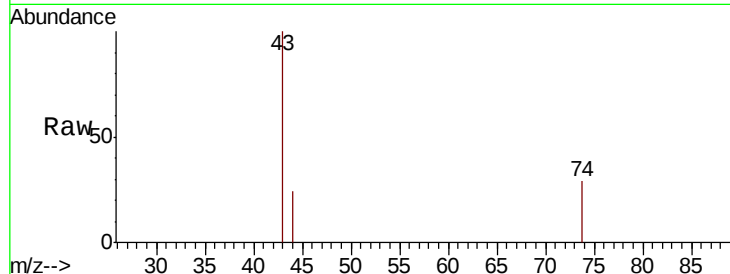




#18
Methvl Acetate
Concen: 0.834 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

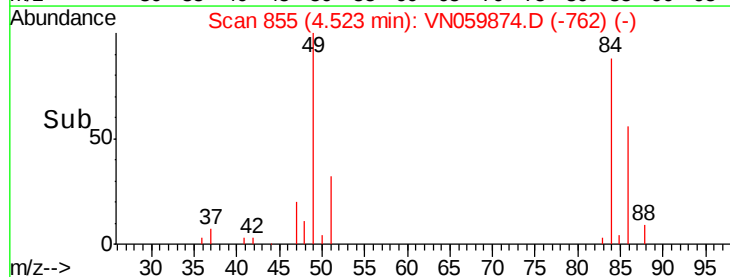
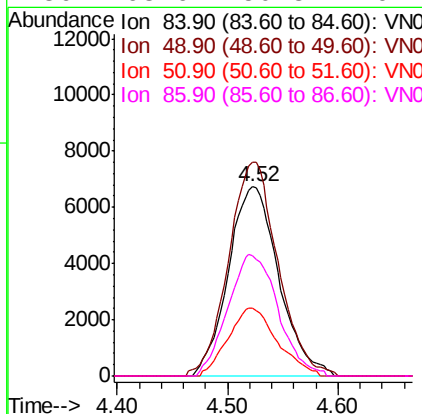
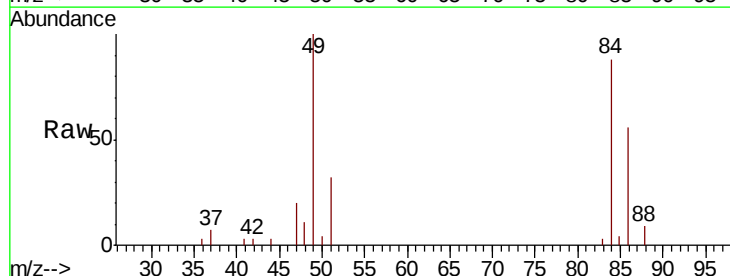
Instrument :
MSVOA_N
ClientSampleId :

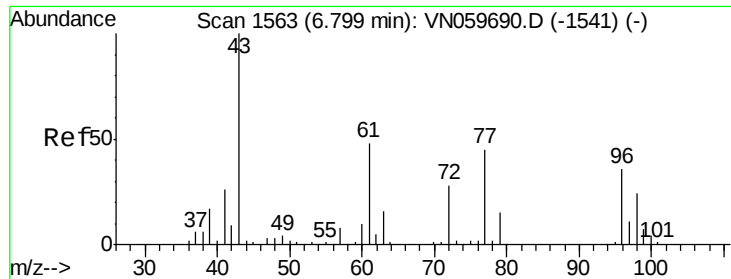
Tot Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
74 12.5 17.5 26.3#



#20
Methylene Chloride
Concen: 8.238 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Tgt Ion: 84 Resp: 21332
Ion Ratio Lower Upper
84 100
49 113.1 106.6 160.0
51 35.7 31.9 47.9
86 63.6 50.8 76.2

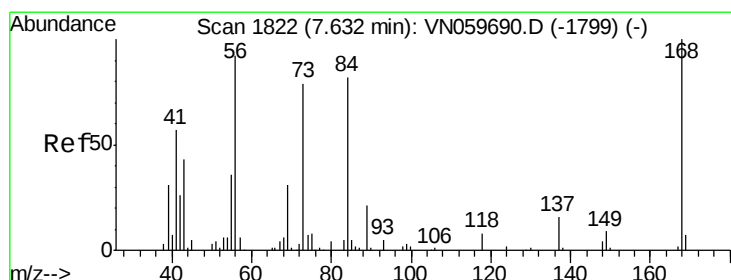
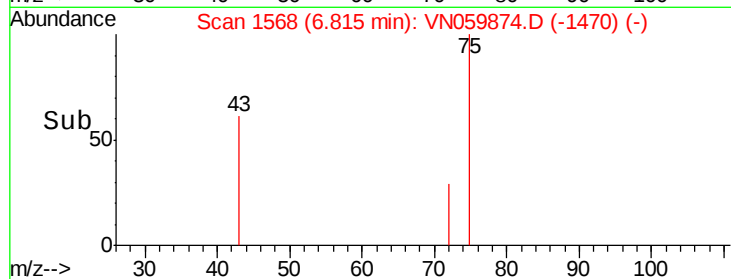
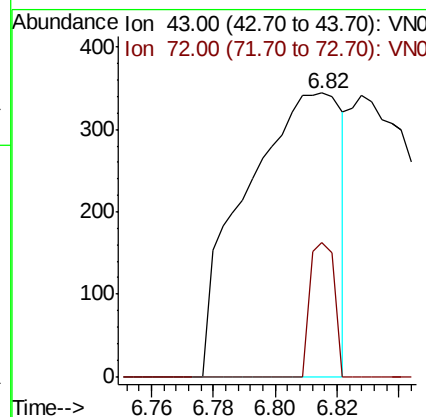
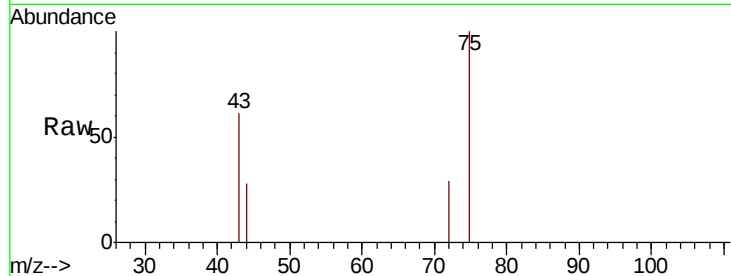




#25
2-Butanone
Concen: 0.516 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

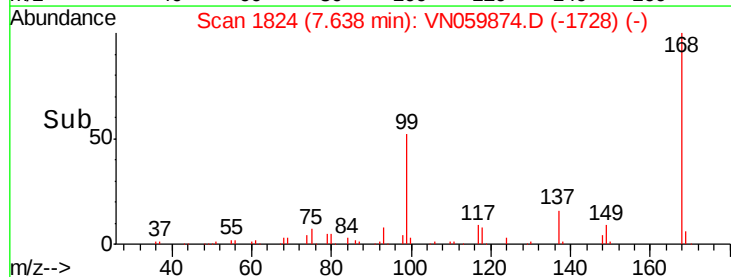
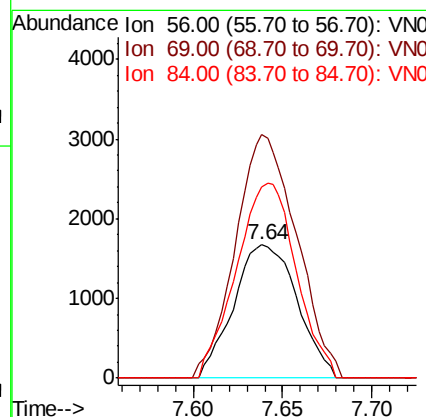
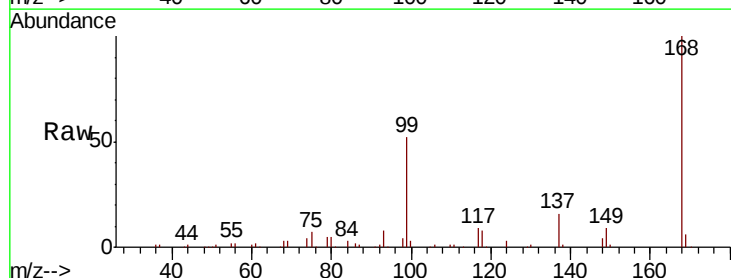
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
72 47.1 19.9 29.9#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 183.0 26.5 39.7#
84 143.7 65.3 97.9#

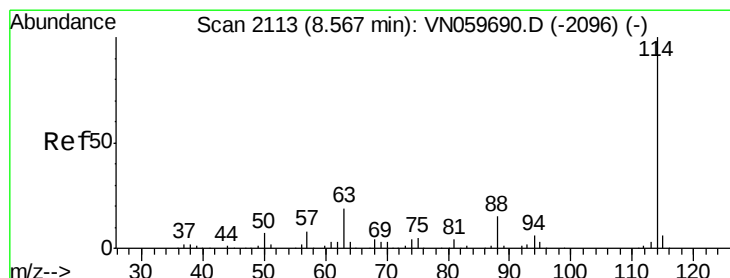
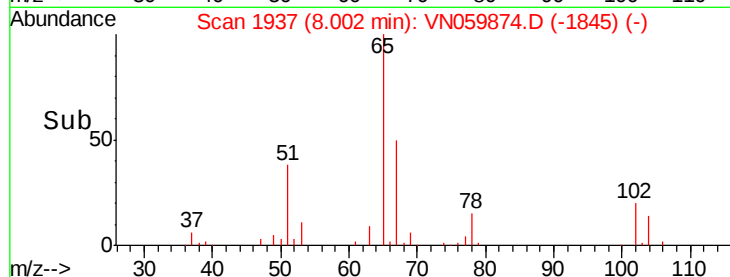
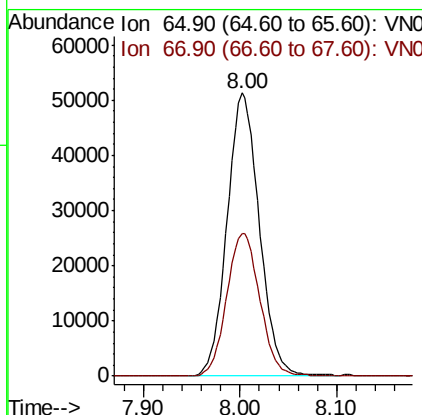
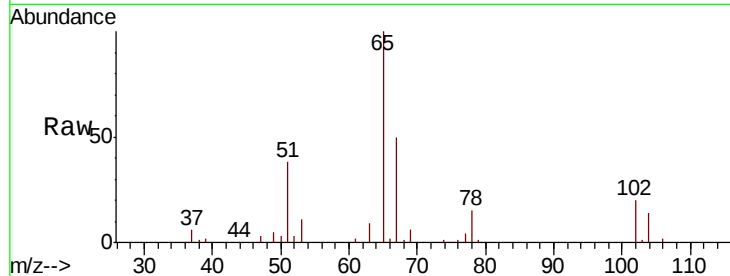




#33
 1,2-Dichloroethane-d4
 Concen: 46.987 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059874.D
 Acq: 27 Jan 2020 15:52

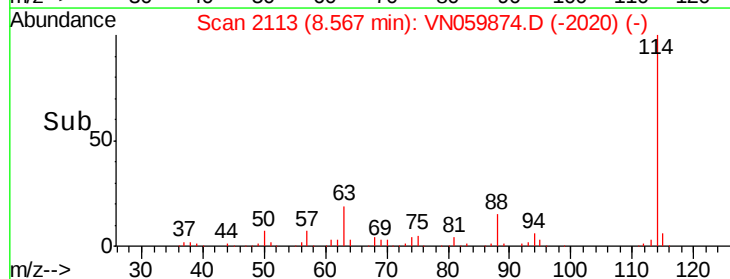
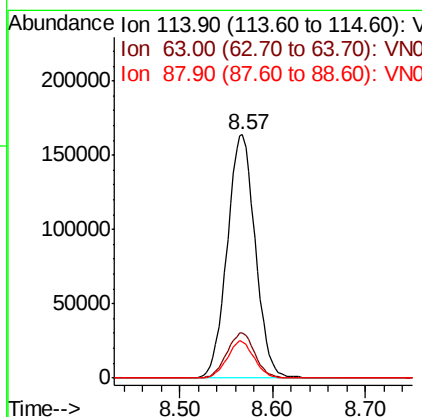
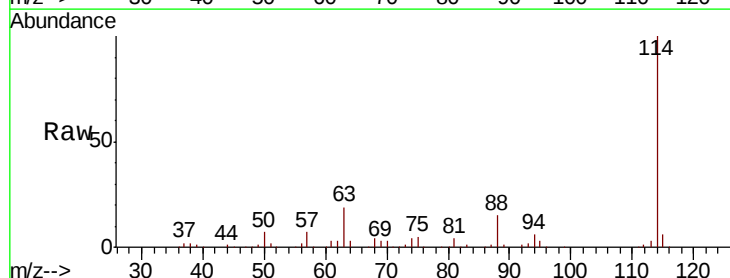
Instrument :
 MSVOA_N
 ClientSampleId :

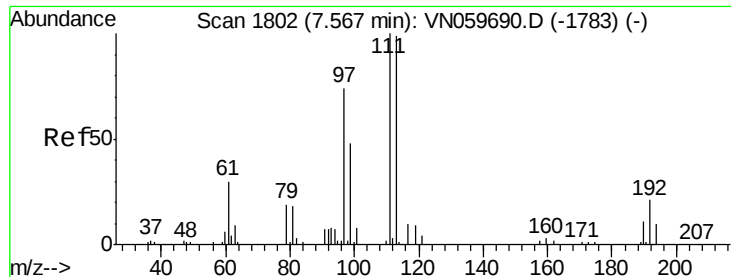
Tot Ion: 65 Resp: 118885
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059874.D
 Acq: 27 Jan 2020 15:52

Tgt Ion: 114 Resp: 343513
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.640 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :
MSVOA_N
ClientSampled :

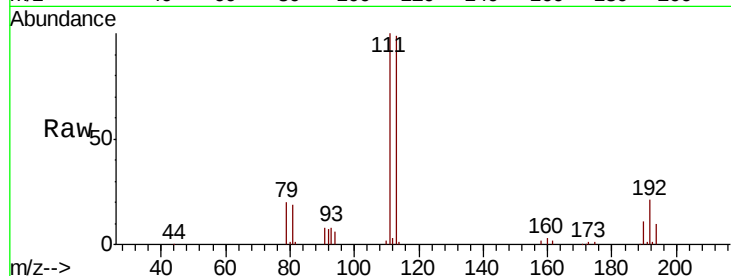
Tot Ion:113 Resp: 103737

Ion Ratio Lower Upper

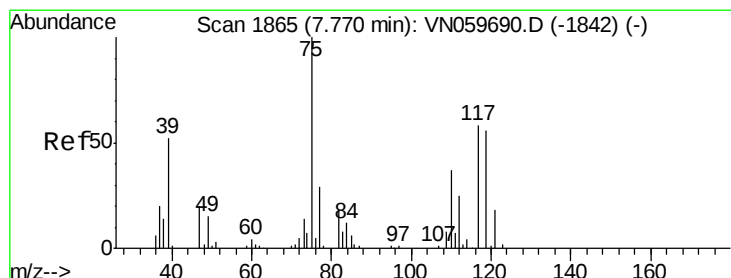
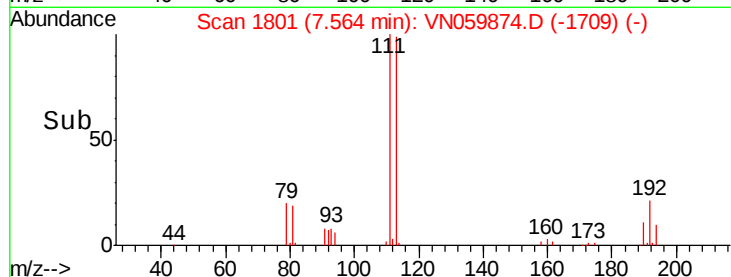
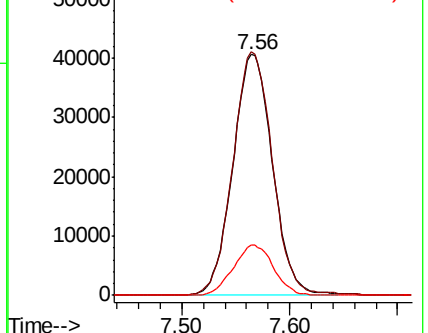
113 100

111 100.4 83.5 125.3

192 21.1 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

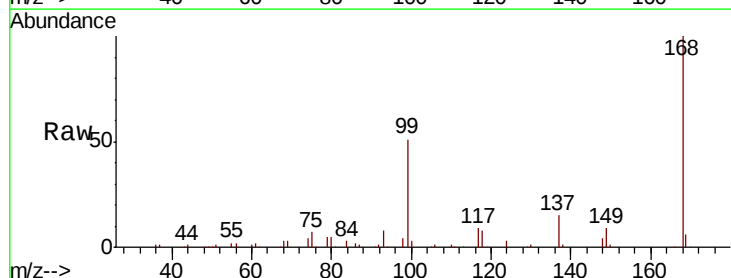
Tgt Ion: 75 Resp: 15202

Ion Ratio Lower Upper

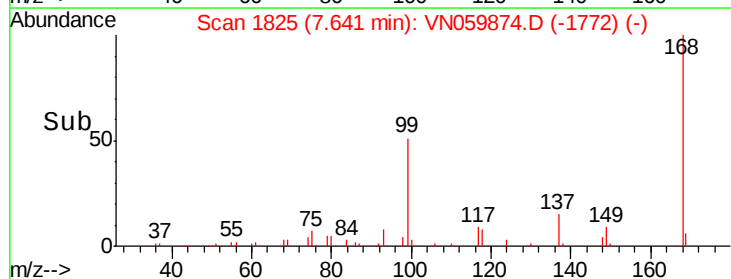
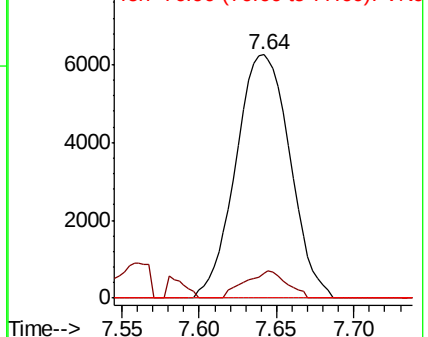
75 100

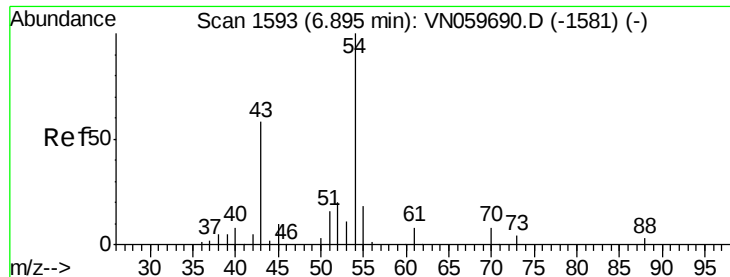
110 8.7 16.6 49.7#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

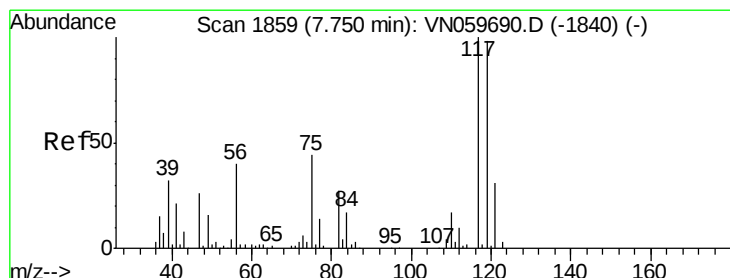
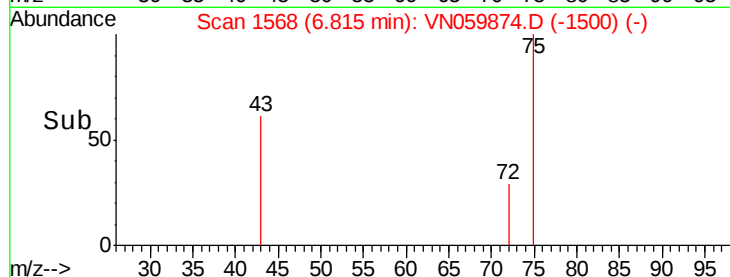
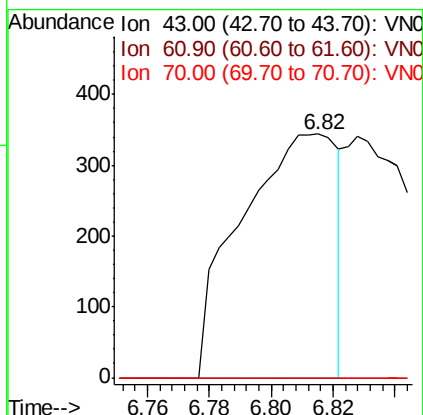
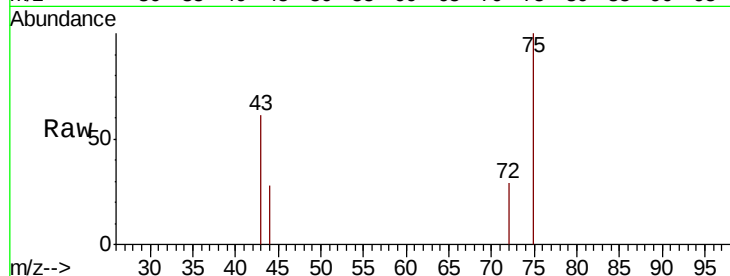




#37
Ethyl Acetate
Concen: 0.264 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.08 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

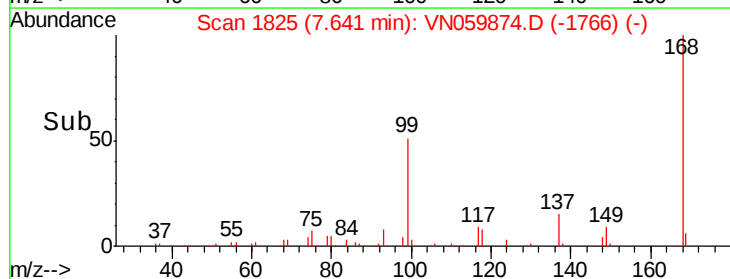
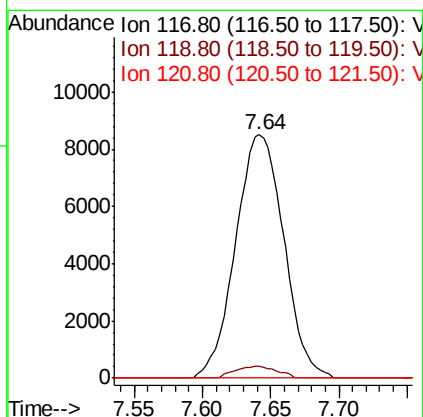
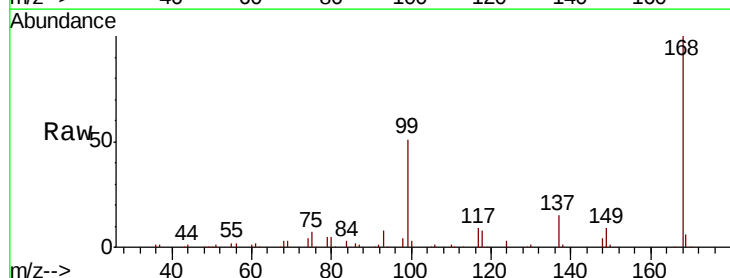
Instrument :
MSVOA_N
ClientSampled :

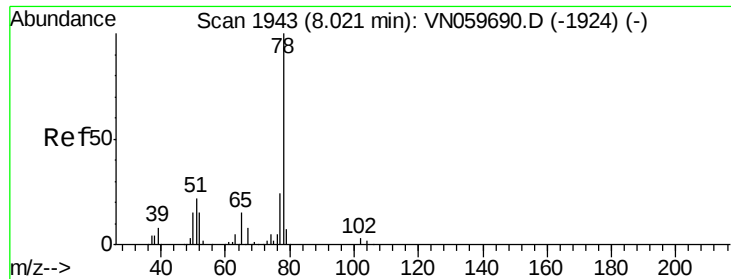
Tot Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Tgt Ion: 117 Resp: 20880
Ion Ratio Lower Upper
117 100
119 4.7 76.5 114.7#
121 0.0 25.1 37.7#





#40

Benzene

Concen: 3.904 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

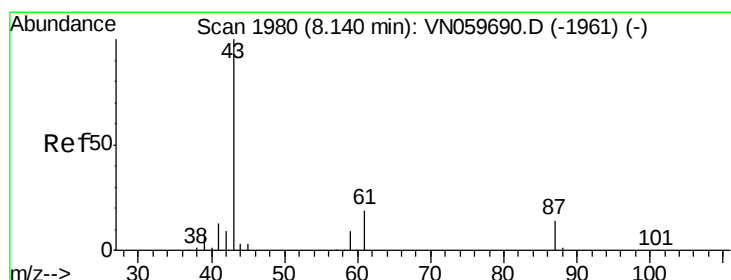
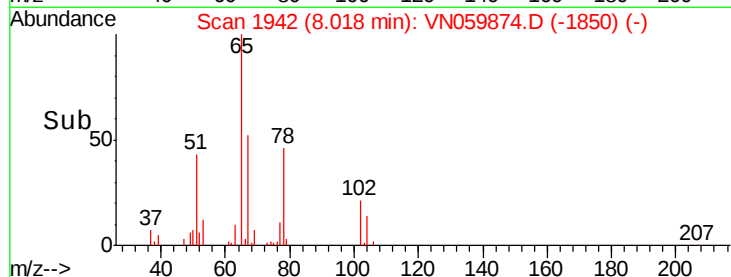
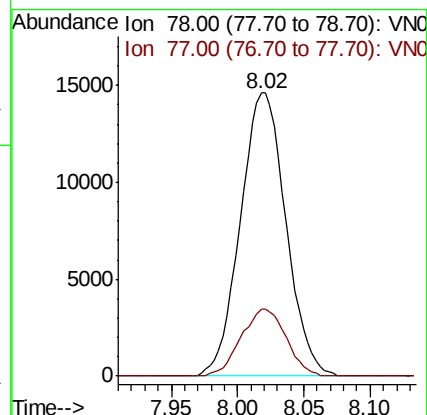
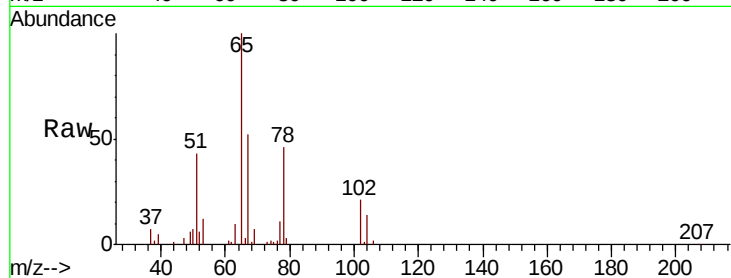
ClientSampleId :

Tot Ion: 78 Resp: 34832

Ion Ratio Lower Upper

78 100

77 23.7 18.9 28.3



#43

Isopropyl Acetate

Concen: 9.124 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

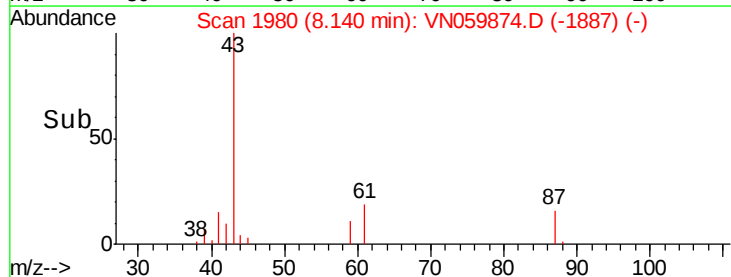
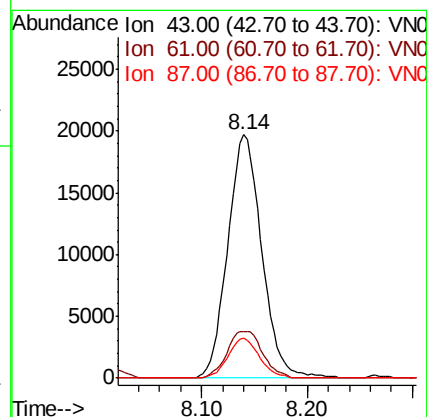
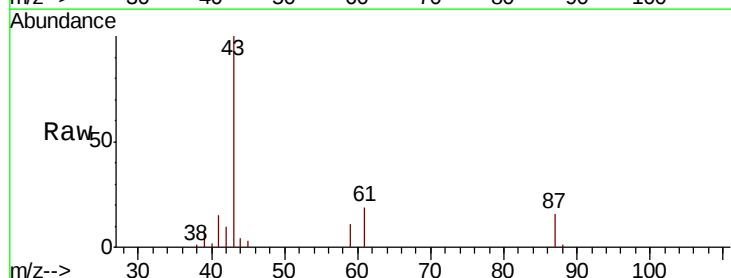
Tgt Ion: 43 Resp: 44031

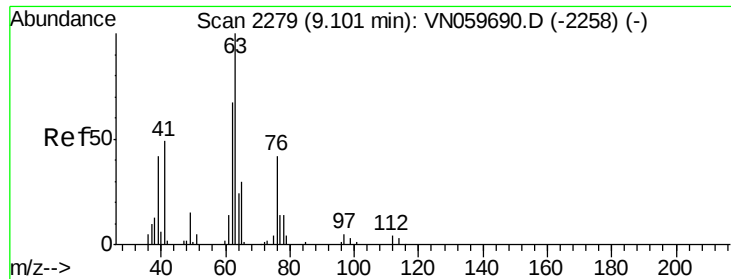
Ion Ratio Lower Upper

43 100

61 20.1 20.2 30.2#

87 15.0 9.5 14.3#

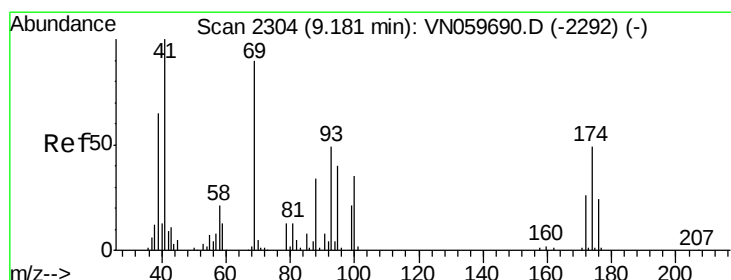
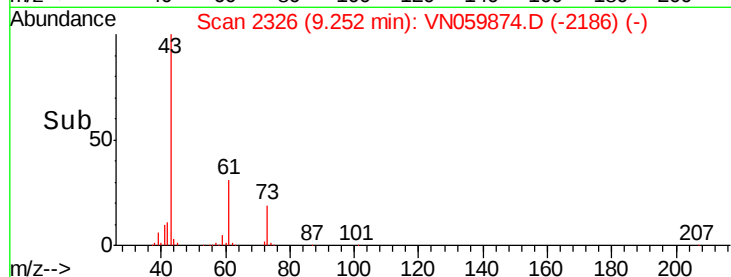
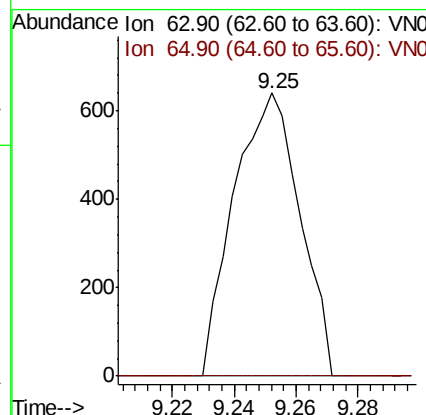
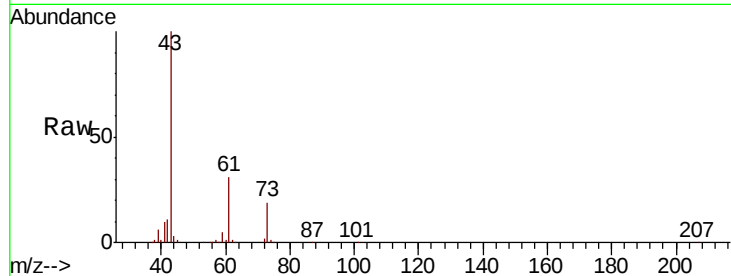




#45
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059874.D
 Acq: 27 Jan 2020 15:52

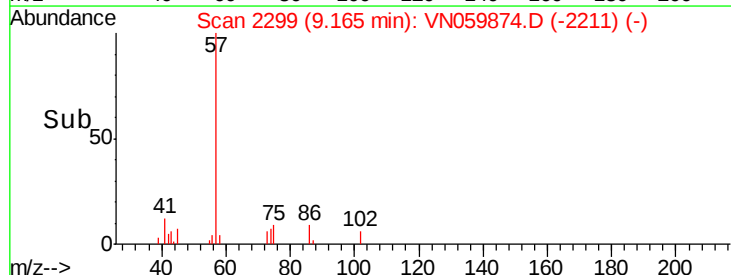
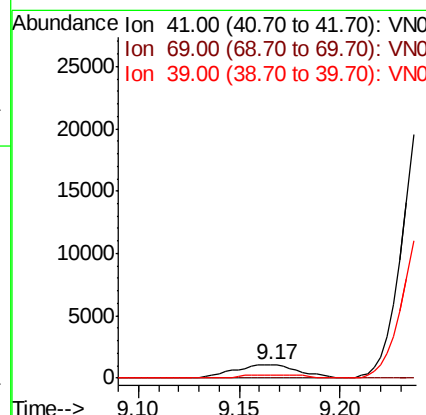
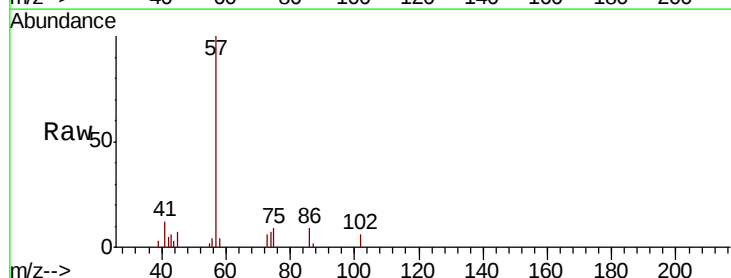
Instrument :
 MSVOA_N
 ClientSampleId :

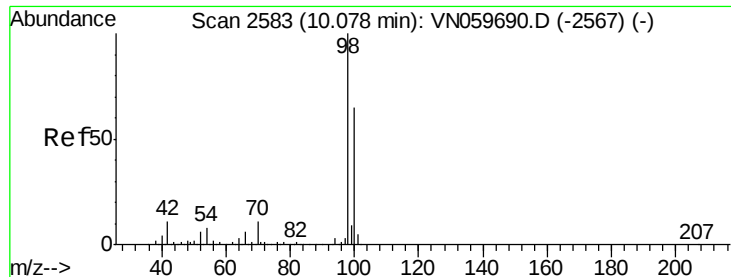
Tot Ion: 63 Resp: 949
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.106 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN059874.D
 Acq: 27 Jan 2020 15:52

Tgt Ion: 41 Resp: 2387
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 51.045 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

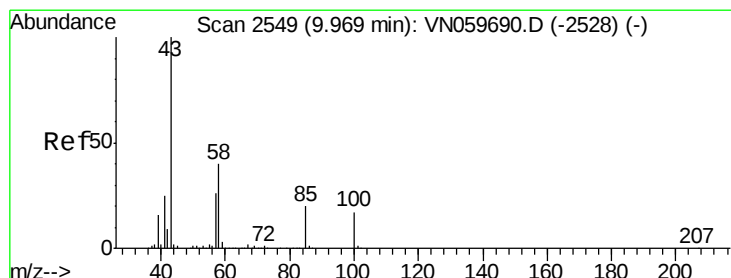
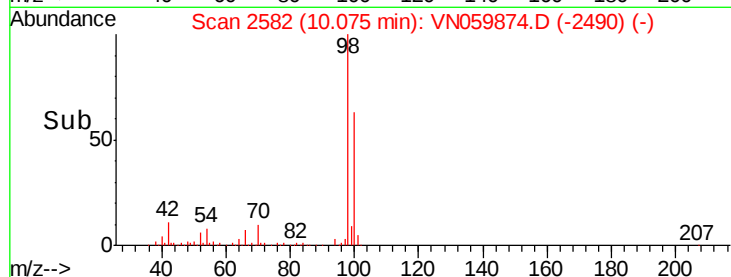
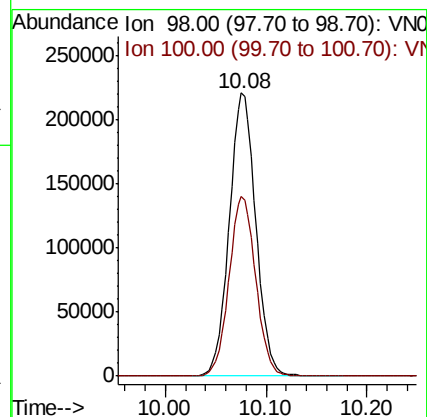
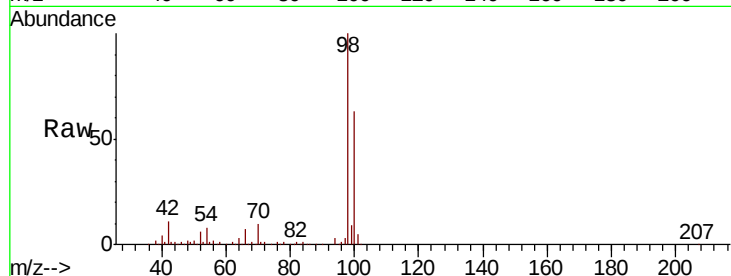
ClientSampled :

Tot Ion: 98 Resp: 405146

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.136 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059874.D

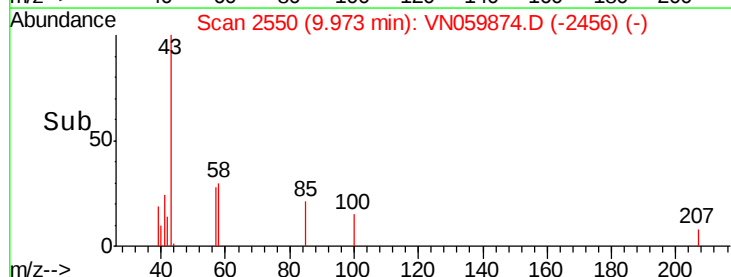
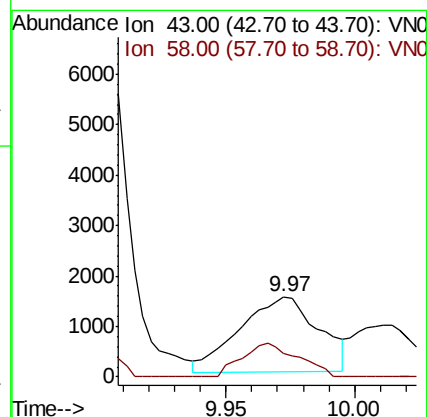
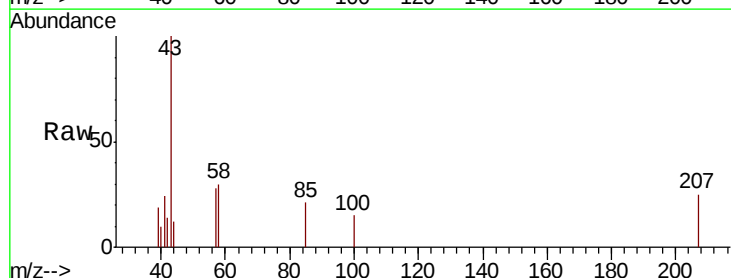
Acq: 27 Jan 2020 15:52

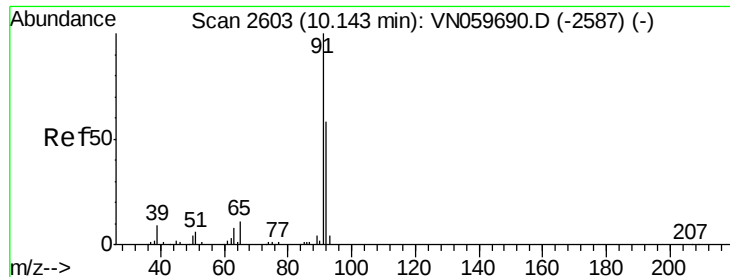
Tgt Ion: 43 Resp: 3169

Ion Ratio Lower Upper

43 100

58 32.2 29.8 44.8





#52

Toluene

Concen: 0.320 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

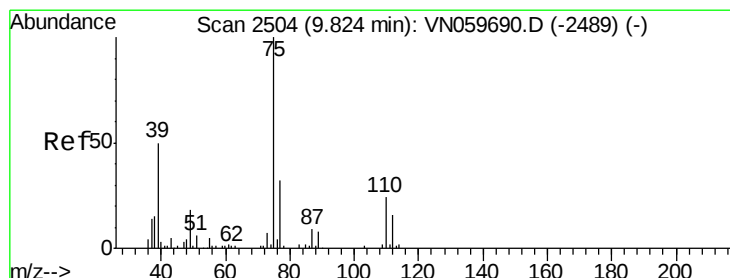
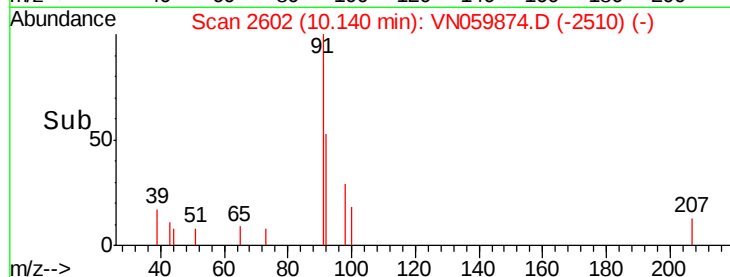
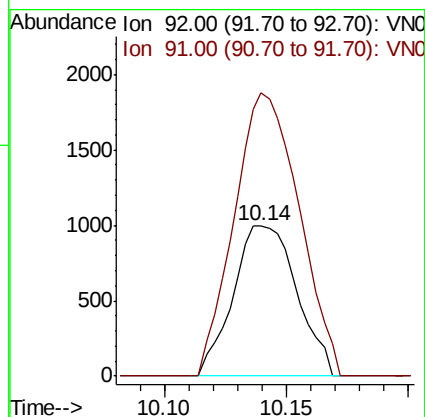
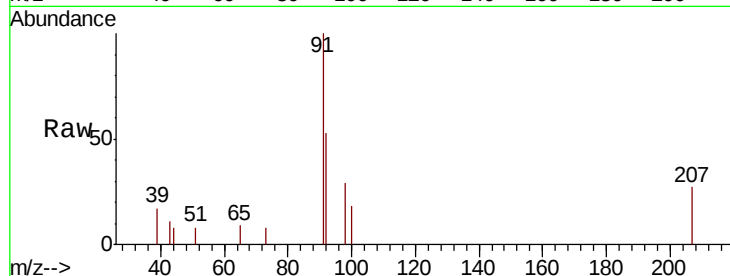
ClientSampleId :

Tot Ion: 92 Resp: 1805

Ion Ratio Lower Upper

92 100

91 192.1 140.4 210.6



#54

cis-1,3-Dichloropropene

Concen: 5.658 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

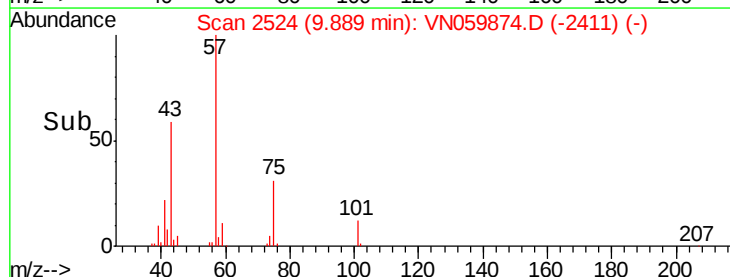
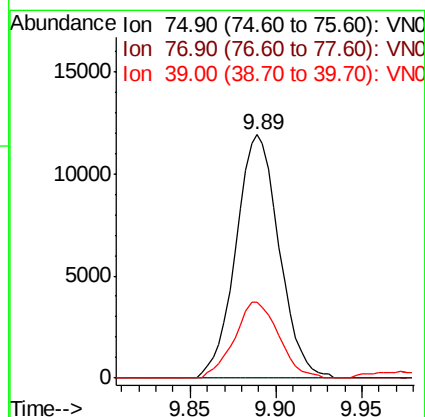
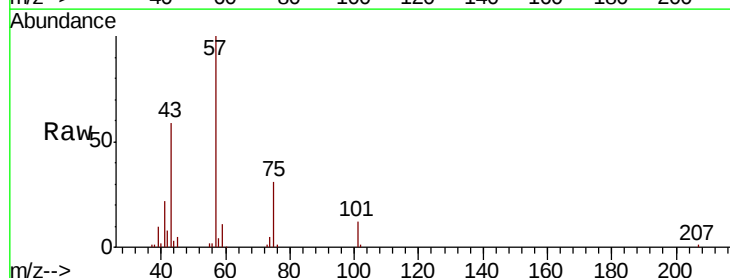
Tgt Ion: 75 Resp: 20861

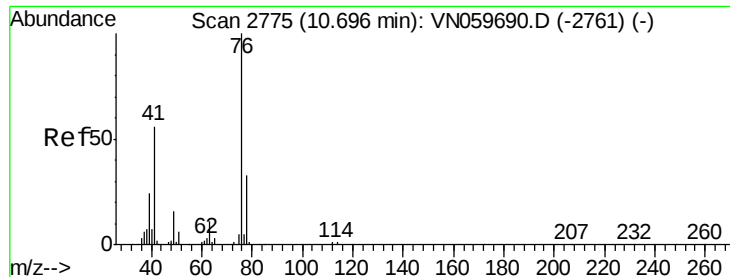
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 31.4 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 0.855 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

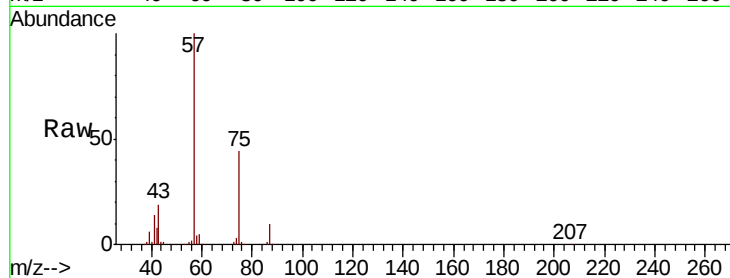
ClientSampled :

Tot Ion: 76 Resp: 3028

Ion Ratio Lower Upper

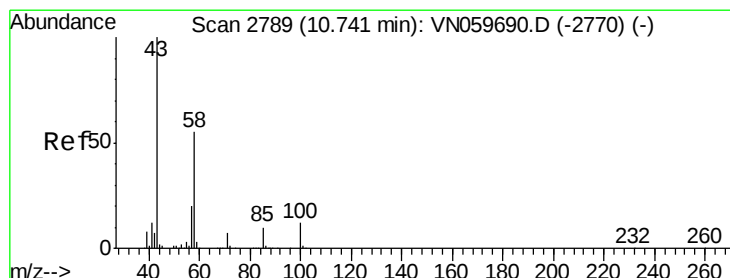
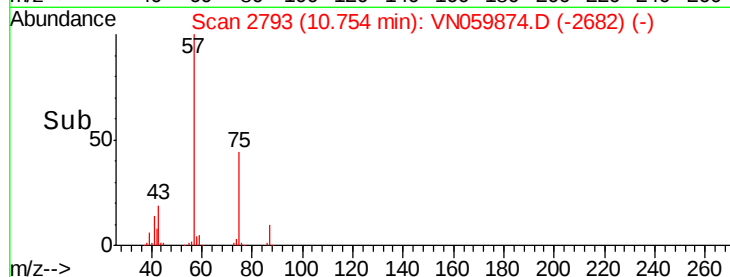
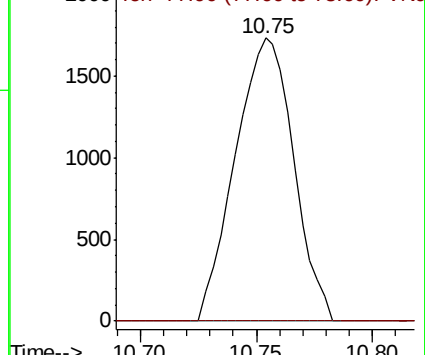
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 19.819 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059874.D

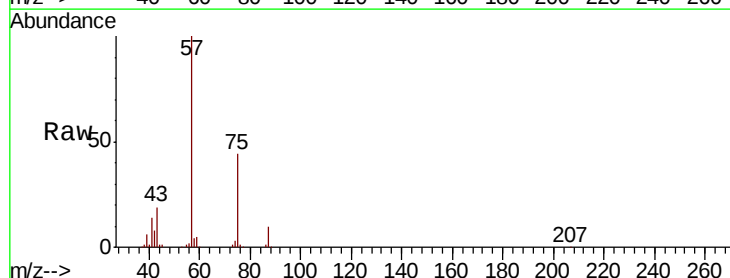
Acq: 27 Jan 2020 15:52

Tgt Ion: 43 Resp: 40731

Ion Ratio Lower Upper

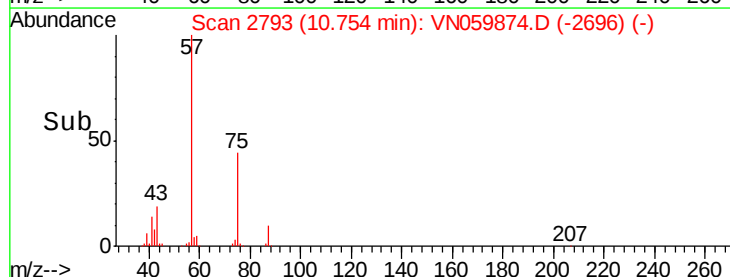
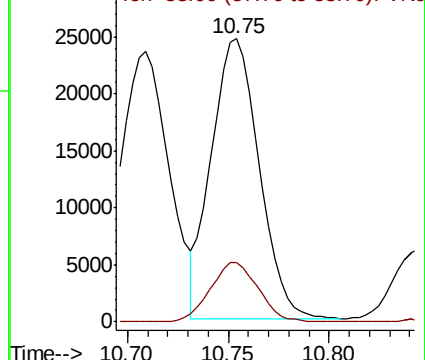
43 100

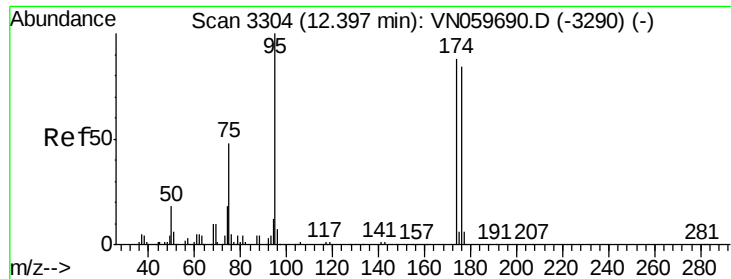
58 20.9 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.957 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

ClientSampled :

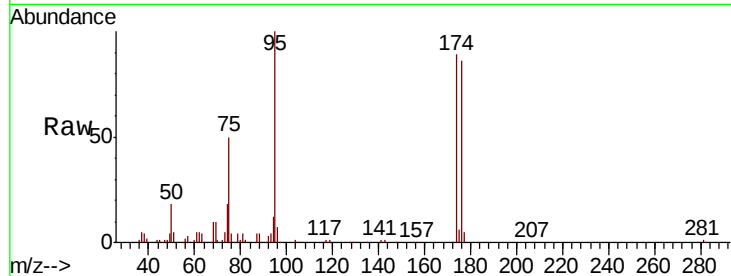
Tot Ion: 95 Resp: 137219

Ion Ratio Lower Upper

95 100

174 88.6 0.0 151.4

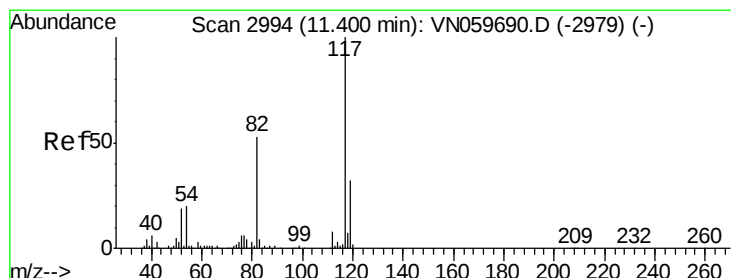
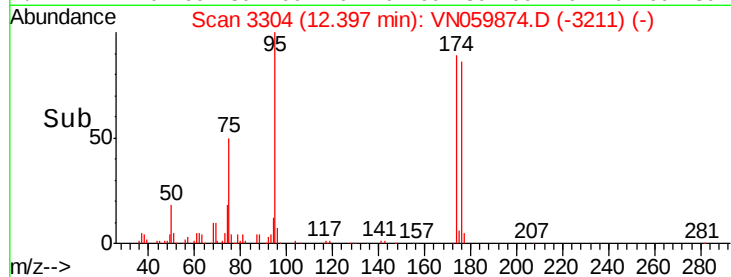
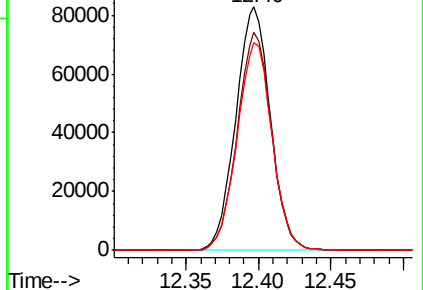
176 86.5 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059874.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059874.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059874.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

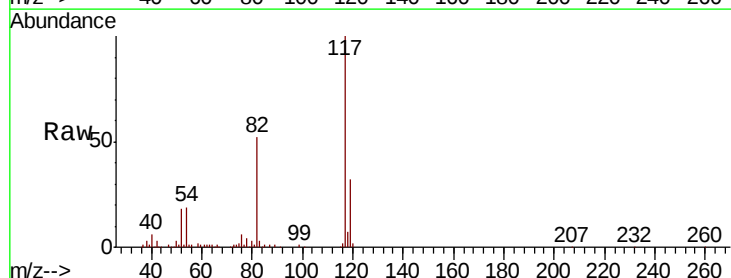
Tgt Ion: 117 Resp: 306307

Ion Ratio Lower Upper

117 100

82 52.2 45.9 68.9

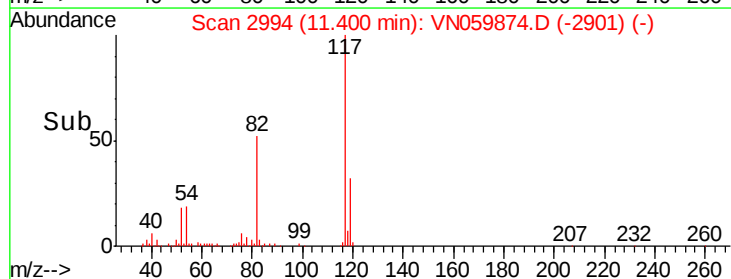
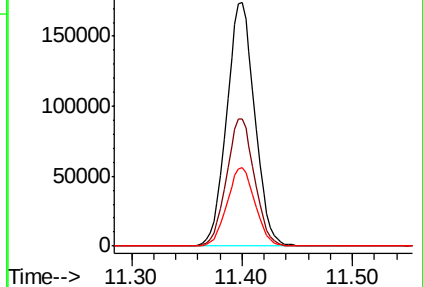
119 32.5 25.5 38.3

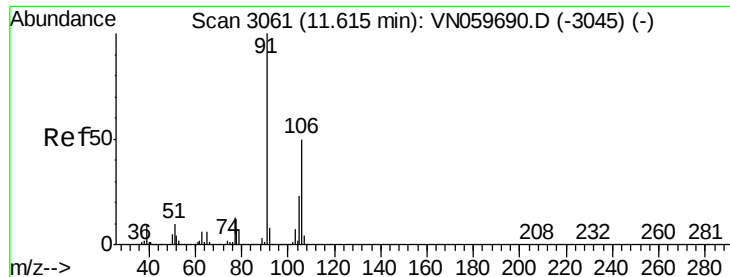


Abundance Ion 116.90 (116.60 to 117.60): VN059874.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059874.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059874.D (-2979) (-)

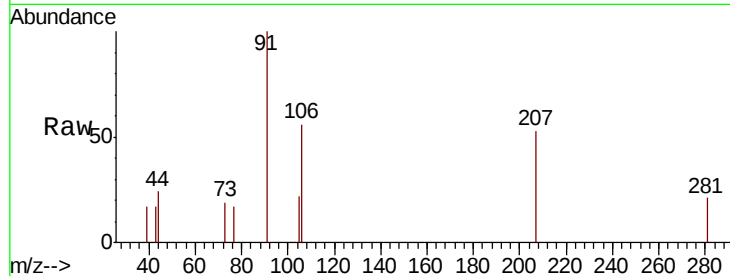




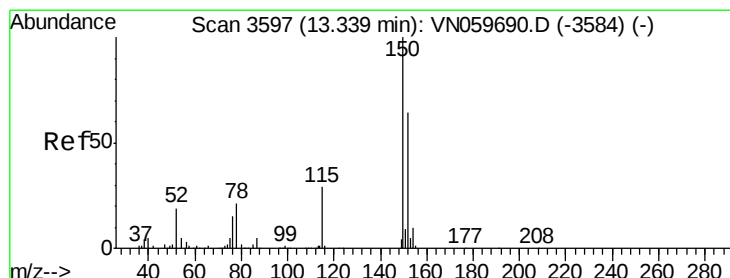
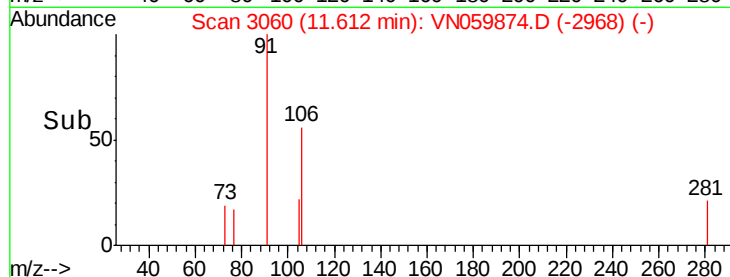
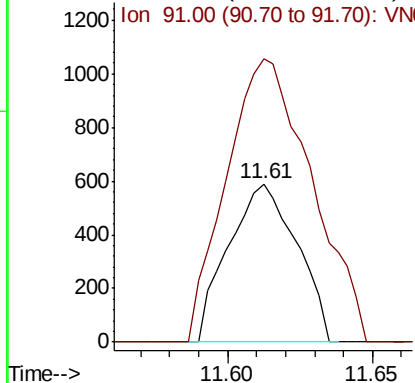
#68
m/p-Xvlenes
Concen: 0.234 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 965
Ion Ratio Lower Upper
106 100
91 223.1 167.9 251.9

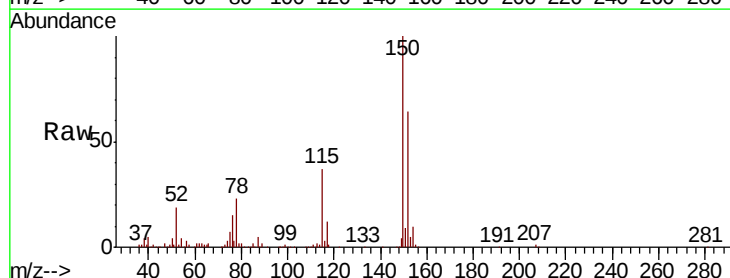


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

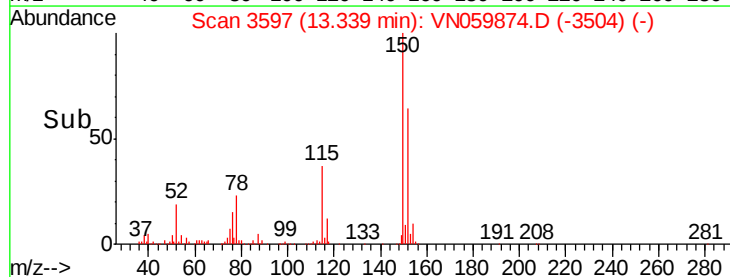
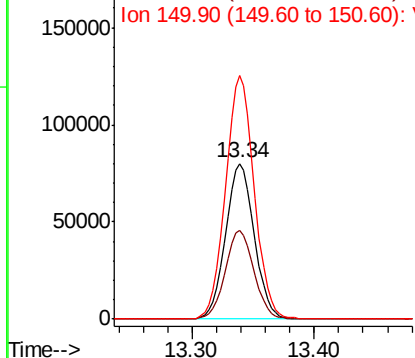


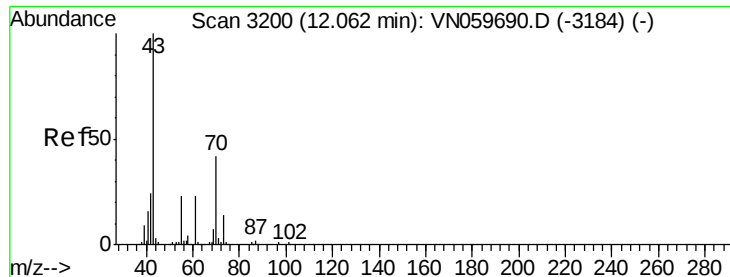
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Tgt Ion:152 Resp: 131883
Ion Ratio Lower Upper
152 100
115 57.1 30.3 90.9
150 156.3 0.0 345.2



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





#74

N-amyl acetate

Concen: 0.500 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059874.D

Acq: 27 Jan 2020 15:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1875

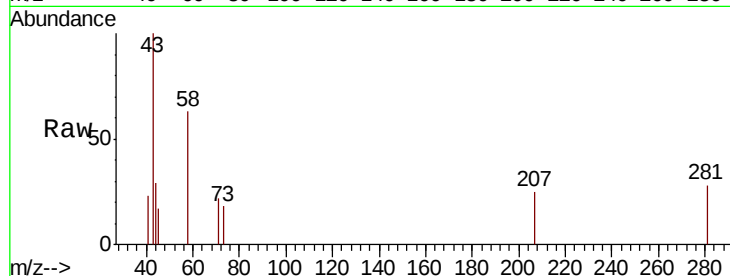
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



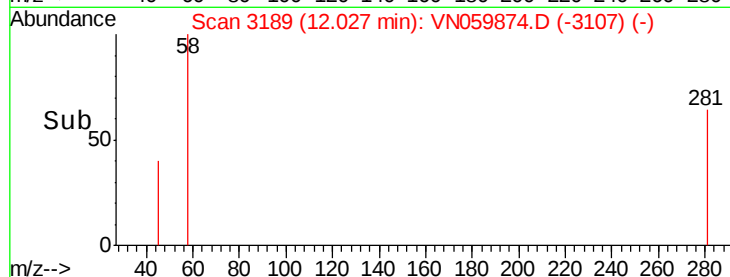
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

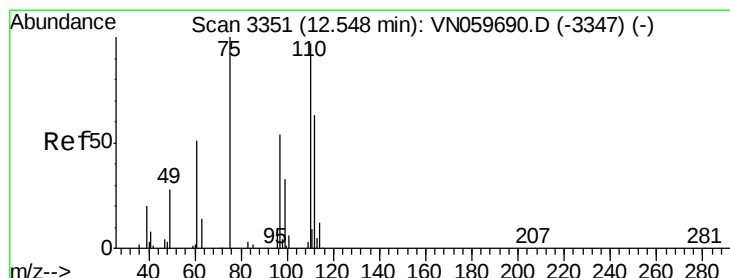
Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

12.03



Time--> 11.95 12.00 12.05 12.10



#76

1,2,3-Trichloropropane

Concen: 30.942 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059874.D

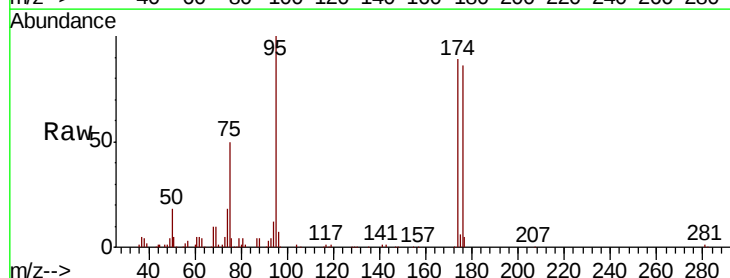
Acq: 27 Jan 2020 15:52

Tgt Ion: 75 Resp: 68675

Ion Ratio Lower Upper

75 100

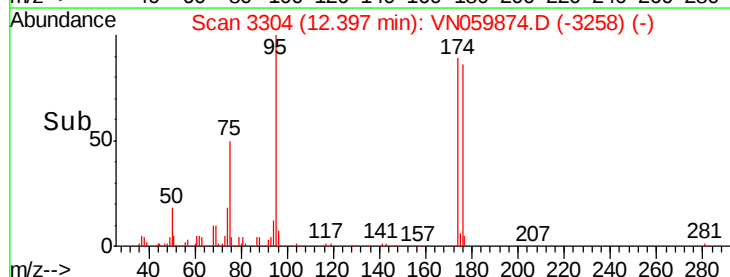
77 1.0 0.0 0.0#



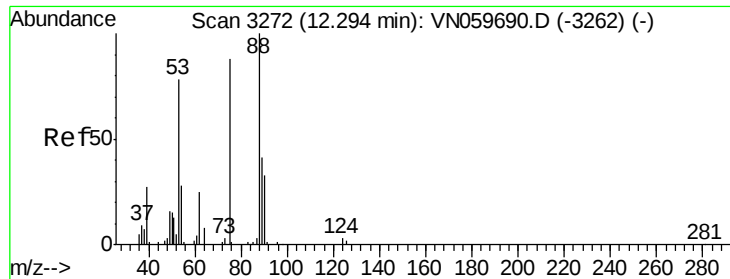
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40



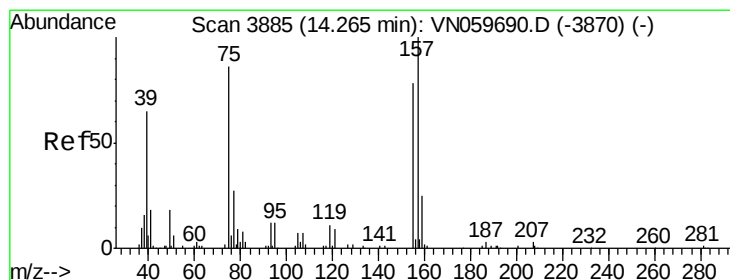
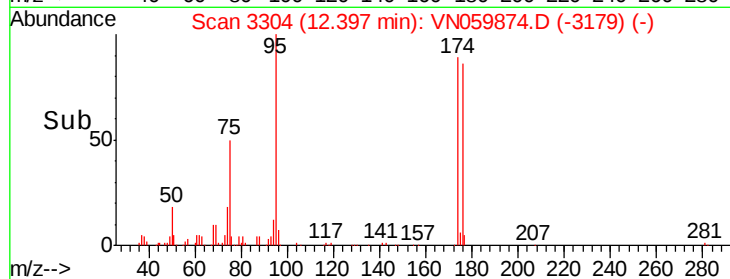
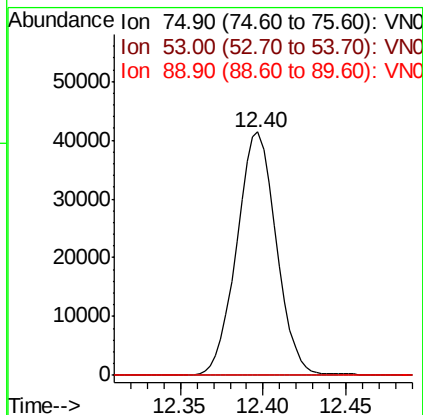
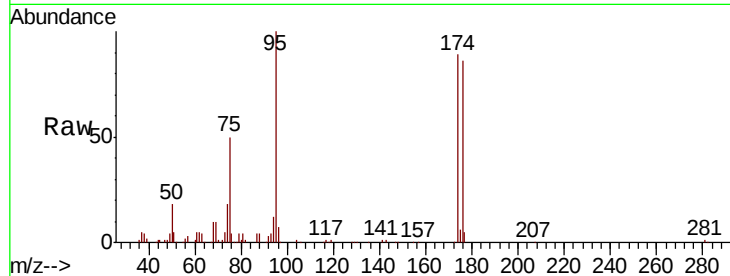
Time--> 12.35 12.40 12.45



#81
trans-1,4-Dichloro-2-butene
Concen: 66.449 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

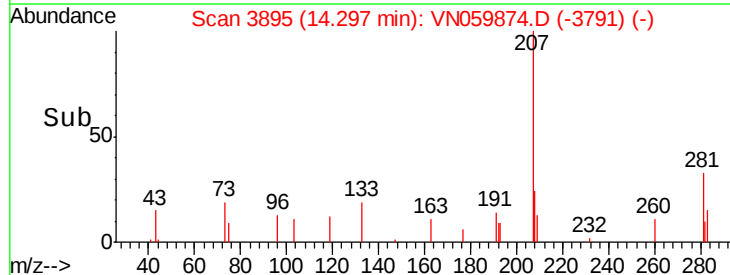
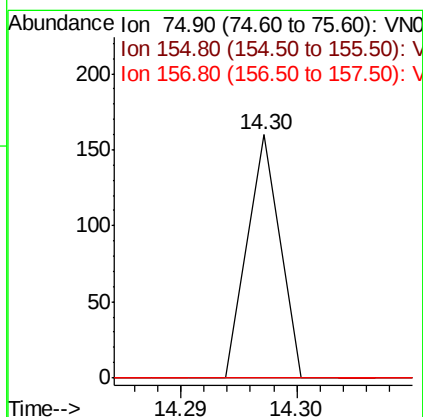
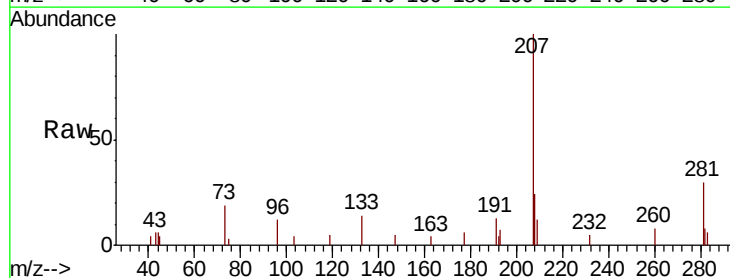
Instrument :
MSVOA_N
ClientSampled :

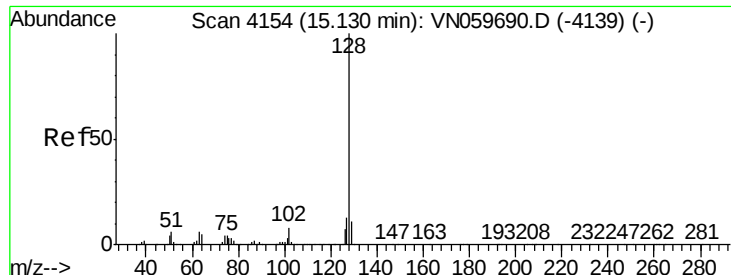
Tot Ion: 75 Resp: 68675
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.30 min Scan# 3895
Delta R.T. 0.03 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

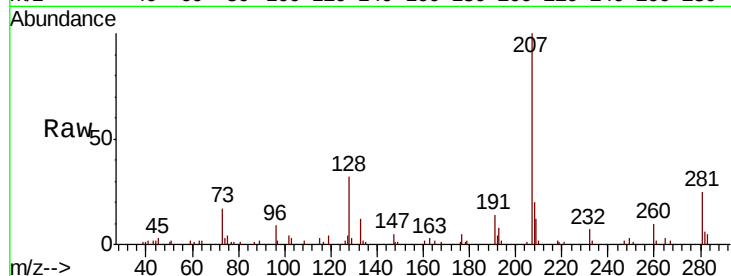




#95
Naphthalene
Concen: 1.052 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059874.D
Acq: 27 Jan 2020 15:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.4	15.6#
129	11.0	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

