

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053273.D
 Acq On : 3 Jan 2019 20:05
 Operator : MD\SY
 Sample : K1002-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-05-010219-B

Quant Time: Jan 04 00:57:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

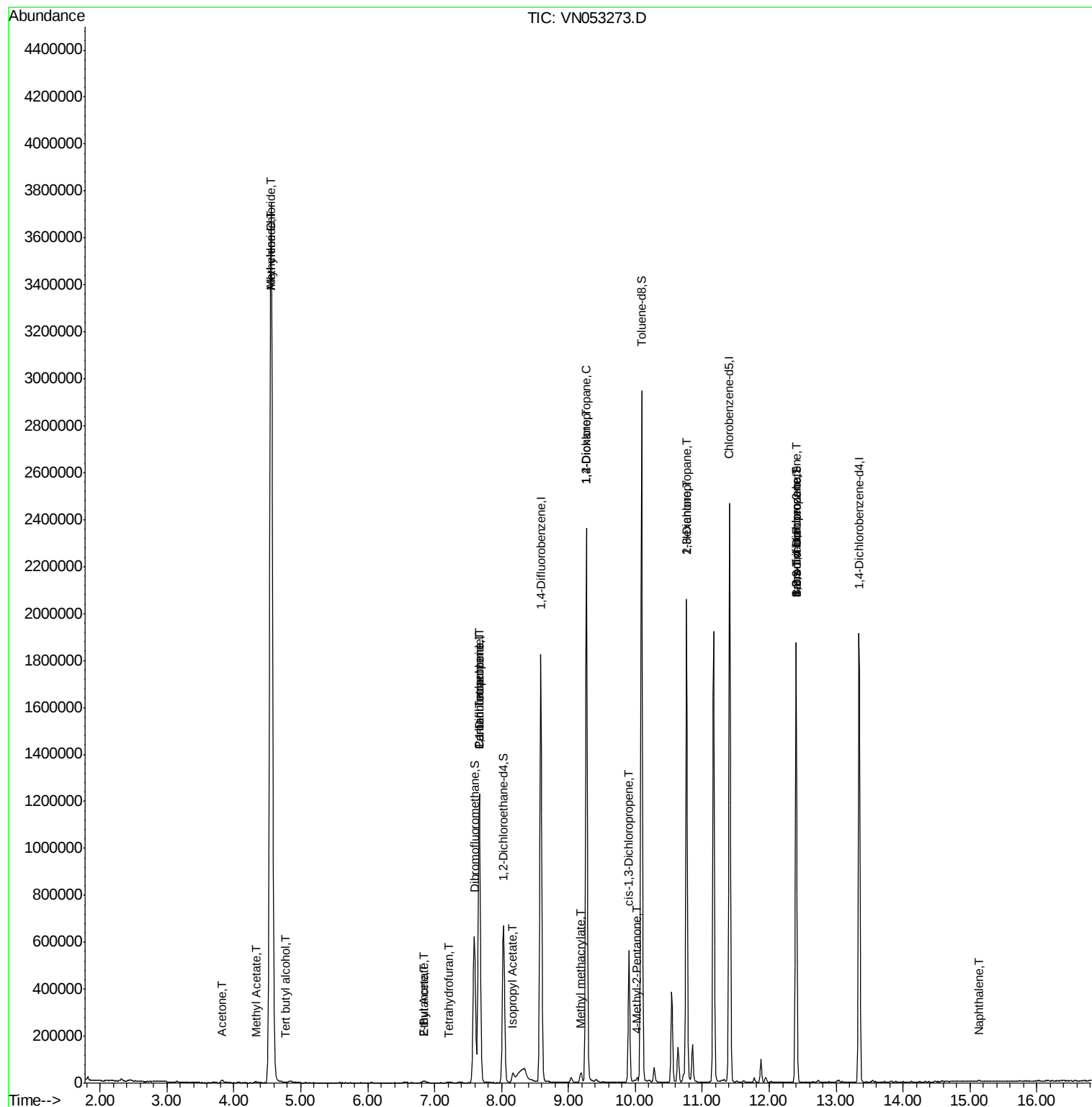
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1096546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1703944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1495284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	552327	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	559297	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	483181	62.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.16%	
50) Toluene-d8	10.09	98	2073291	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	643752	43.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.78	59	852	1.255	ug/l #	74
14) Allyl chloride	4.56	41	107196	6.621	ug/l #	24
16) Acetone	3.82	43	19565	8.967	ug/l	94
18) Methyl Acetate	4.33	43	8057	1.789	ug/l #	84
20) Methylene Chloride	4.56	84	2914901	244.917	ug/l	99
25) 2-Butanone	6.84	43	10116	2.763	ug/l	95
29) Tetrahydrofuran	7.22	42	1974	0.722	ug/l #	60
31) Cyclohexane	7.66	56	16645	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	71862	4.394	ug/l #	49
37) Ethyl Acetate	6.84	43	10116	1.108	ug/l #	68
38) Carbon Tetrachloride	7.67	117	94224	6.285	ug/l #	16
43) Isopropyl Acetate	8.17	43	49715	1.807	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	3106	0.245	ug/l #	44
48) Methyl methacrylate	9.18	41	14428	1.629	ug/l #	12
49) 1,4-Dioxane	9.26	88	164	1.463	ug/l #	22
51) 4-Methyl-2-Pentanone	10.02	43	16276	1.841	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	106710	5.635	ug/l #	59
57) 1,3-Dichloropropane	10.77	76	22285	1.235	ug/l #	42
59) 2-Hexanone	10.76	43	290478	48.557	ug/l #	52
71) Bromoform	12.40	173	4387	0.527	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	302120	32.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	302120	104.730	ug/l #	12
95) Naphthalene	15.13	128	4905	1.367	ug/l #	95

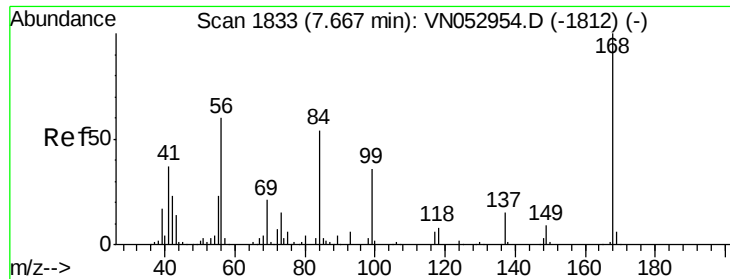
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
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QLast Update : Tue Dec 18 13:03:37 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

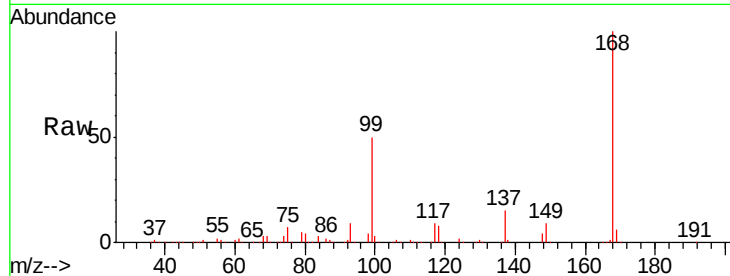
AU-05-010219-B

Tgt Ion:168 Resp: 1096546

Ion Ratio Lower Upper

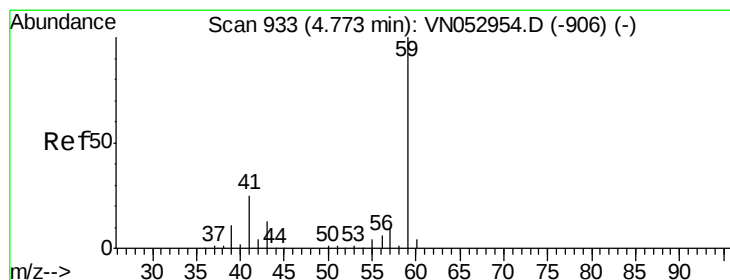
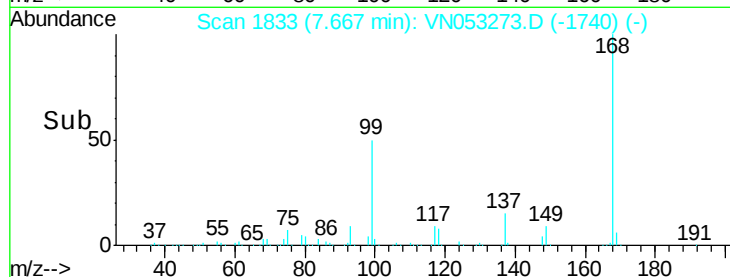
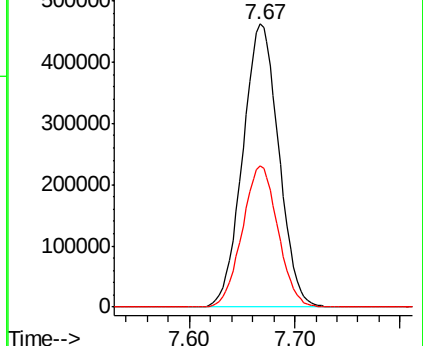
168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053273.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053273.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 1.255 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN053273.D

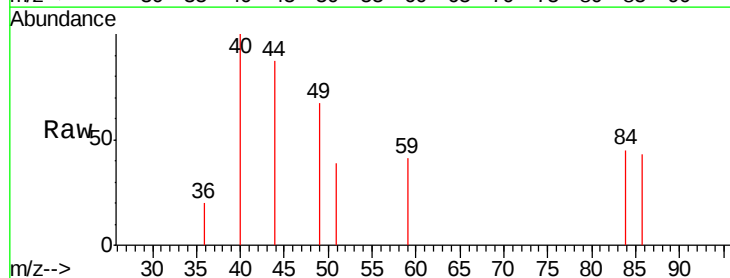
Acq: 3 Jan 2019 20:05

Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

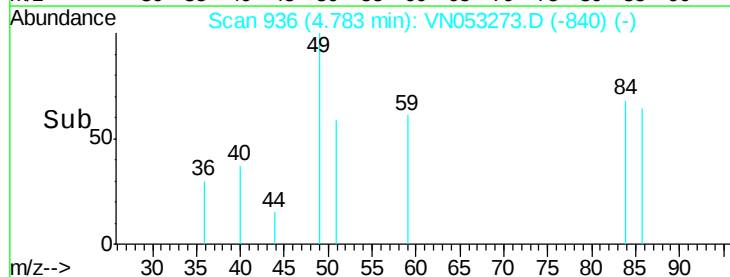
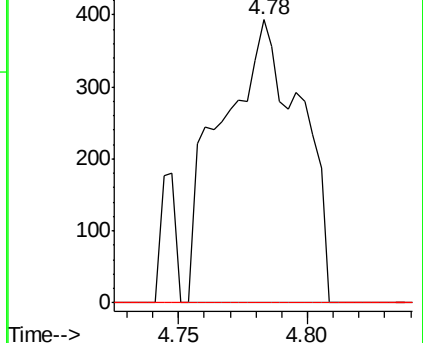
59 100

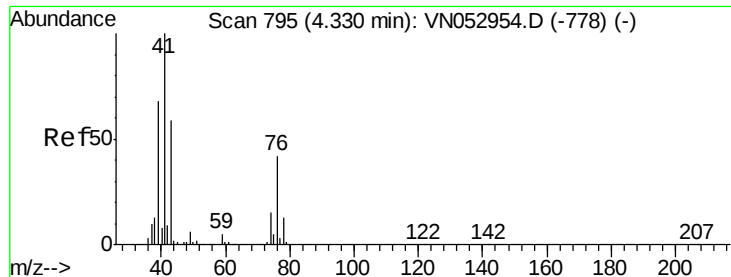
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN053273.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN053273.D (-840) (-)

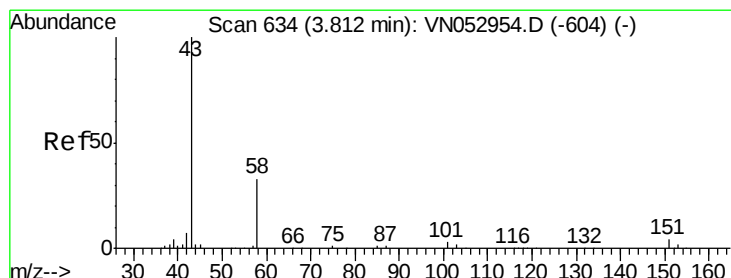
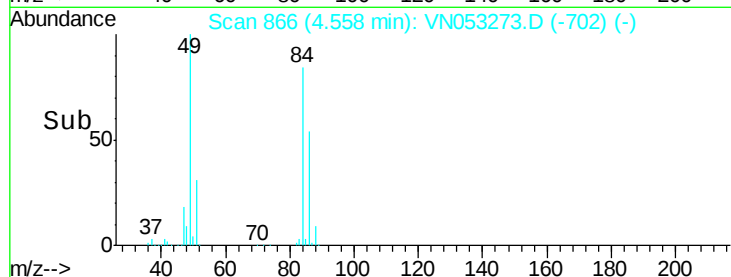
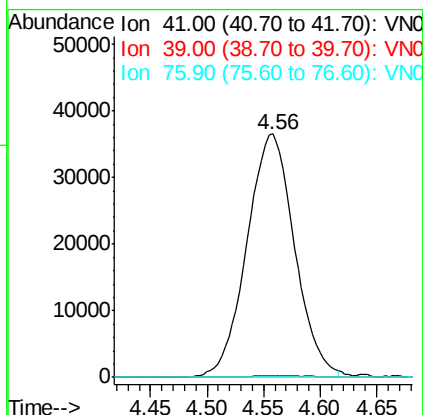
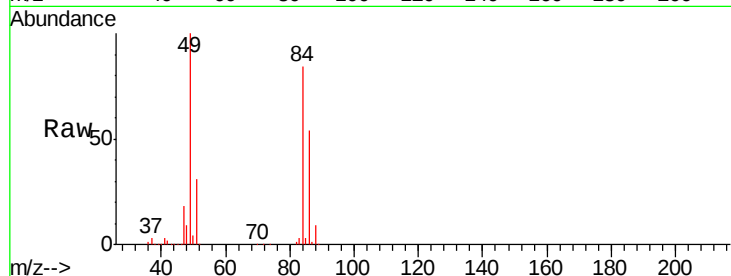




#14
 Allyl chloride
 Concen: 6.621 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.23 min
 Lab File: VN053273.D
 Acq: 3 Jan 2019 20:05

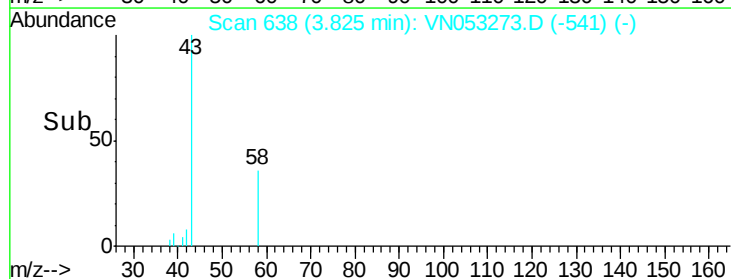
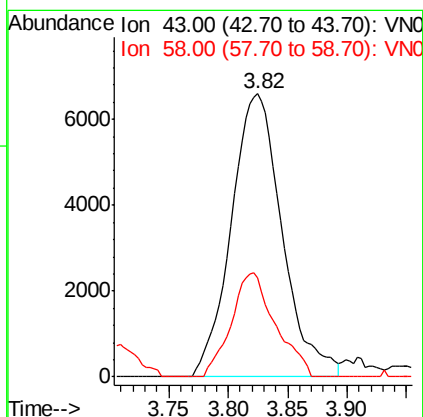
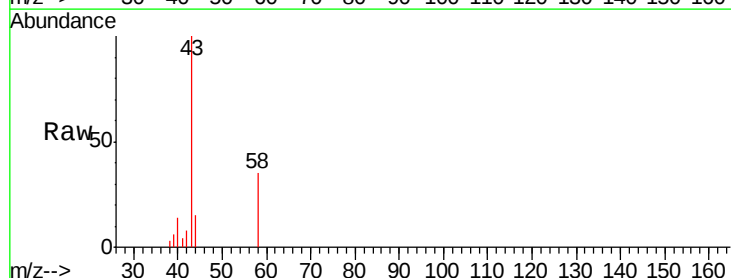
Instrument :
 MSVOA_N
 ClientSampleId :
 AU-05-010219-B

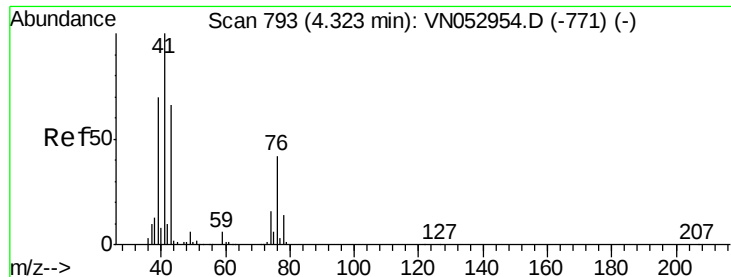
Tgt Ion: 41 Resp: 107196
 Ion Ratio Lower Upper
 41 100
 39 0.6 54.1 81.1#
 76 0.0 30.3 45.5#



#16
 Acetone
 Concen: 8.967 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN053273.D
 Acq: 3 Jan 2019 20:05

Tgt Ion: 43 Resp: 19565
 Ion Ratio Lower Upper
 43 100
 58 35.0 25.4 38.0





#18

Methyl Acetate

Concen: 1.789 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

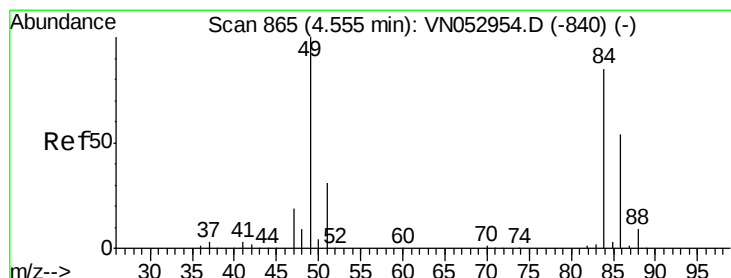
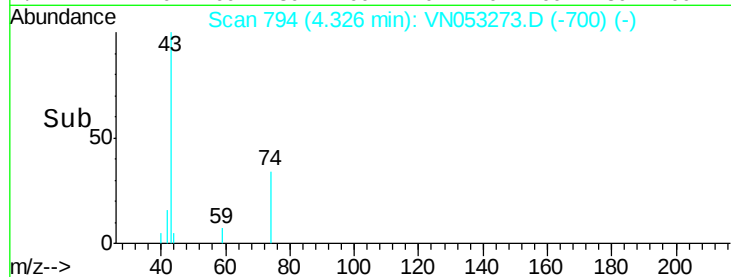
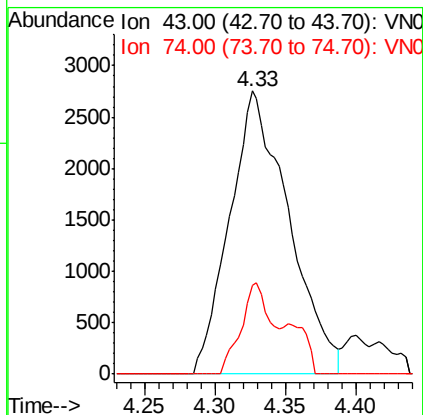
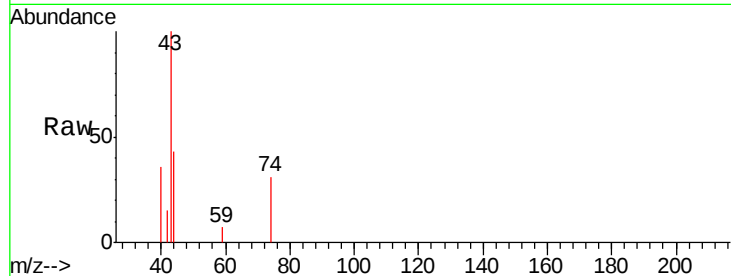
AU-05-010219-B

Tgt Ion: 43 Resp: 8057

Ion Ratio Lower Upper

43 100

74 16.2 19.2 28.8#



#20

Methylene Chloride

Concen: 244.917 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Tgt Ion: 84 Resp: 2914901

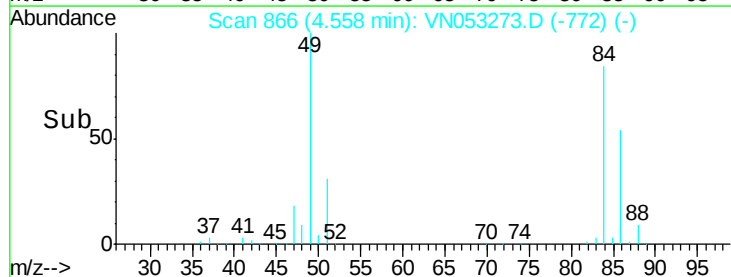
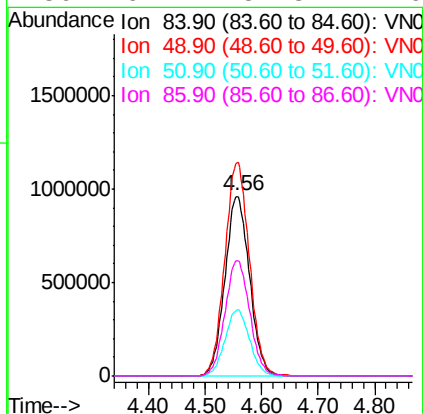
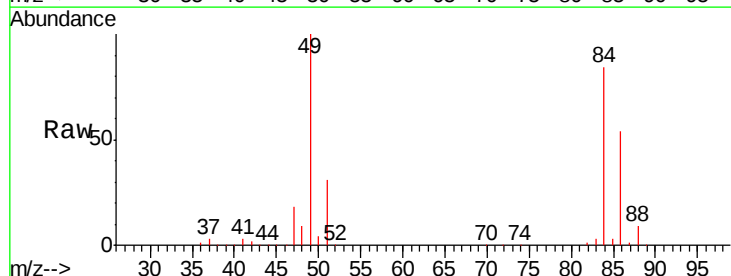
Ion Ratio Lower Upper

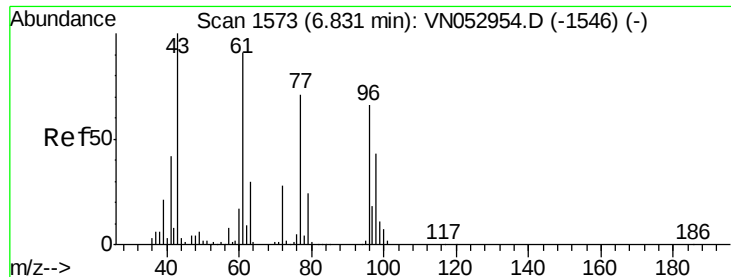
84 100

49 118.7 96.8 145.2

51 36.9 29.9 44.9

86 64.4 51.8 77.6

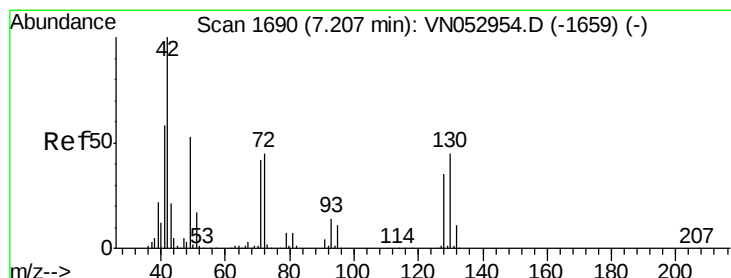
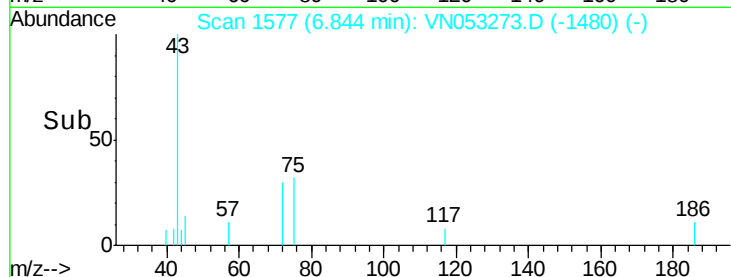
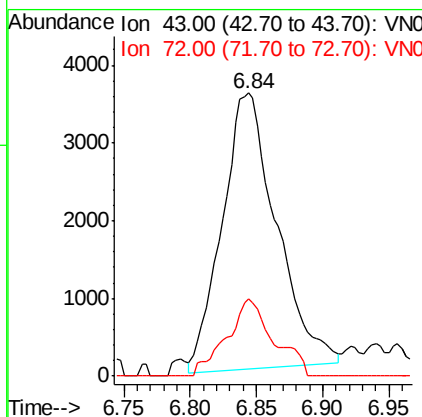
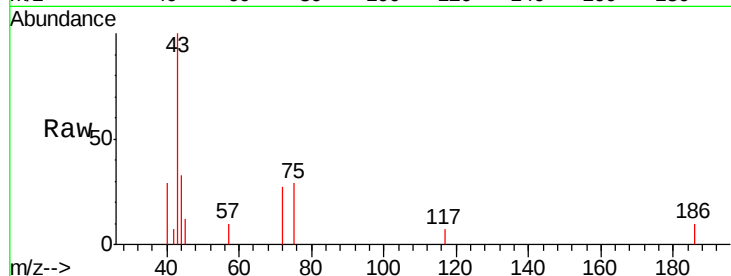




#25
2-Butanone
Concen: 2.763 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

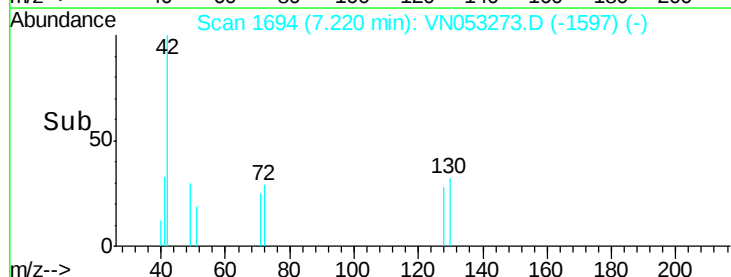
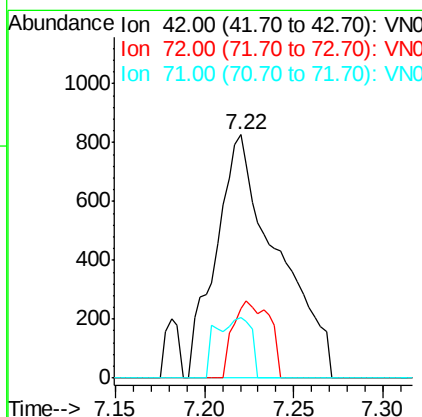
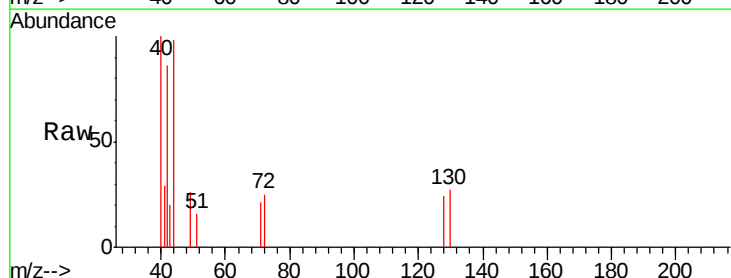
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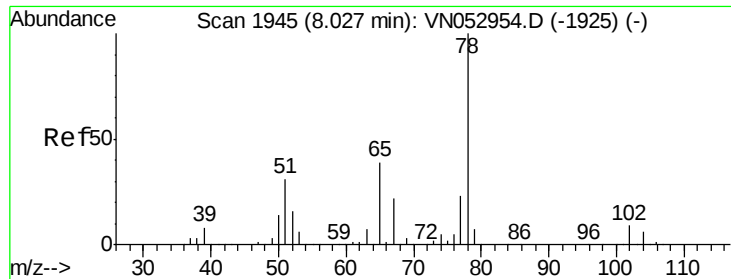
Tgt Ion: 43 Resp: 10116
Ion Ratio Lower Upper
43 100
72 28.8 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.722 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Tgt Ion: 42 Resp: 1974
Ion Ratio Lower Upper
42 100
72 18.8 34.7 52.1#
71 14.1 32.3 48.5#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

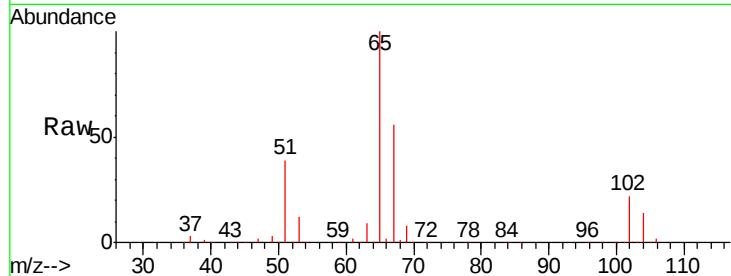
AU-05-010219-B

Tgt Ion: 65 Resp: 559297

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN053273.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053273.D (-1852) (-)

8.03

250000

200000

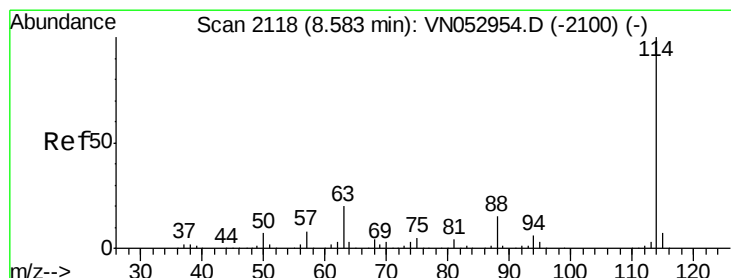
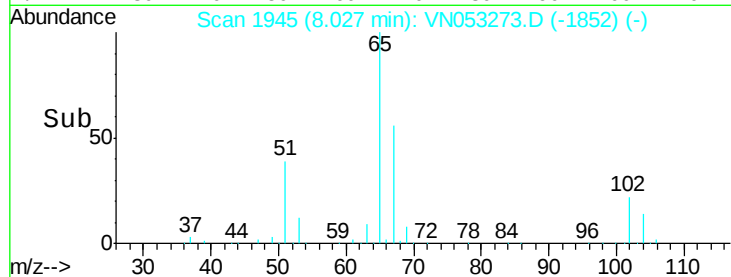
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

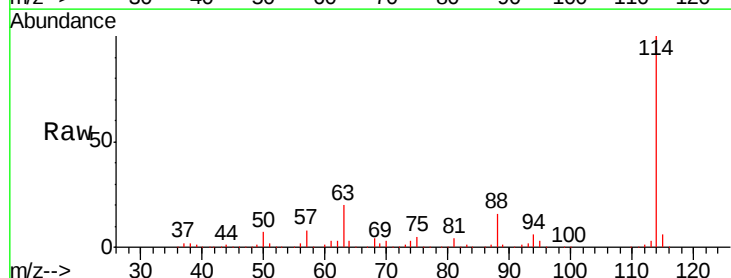
Tgt Ion: 114 Resp: 1703944

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN053273.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN053273.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN053273.D (-2025) (-)

8.59

1000000

800000

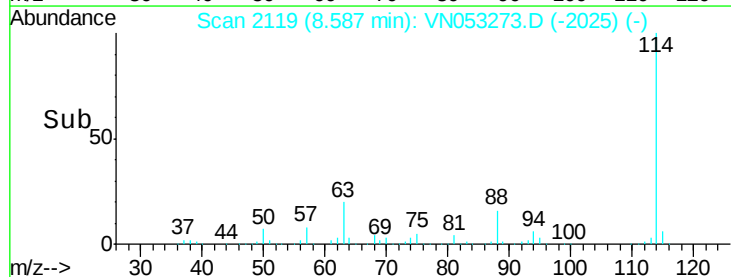
600000

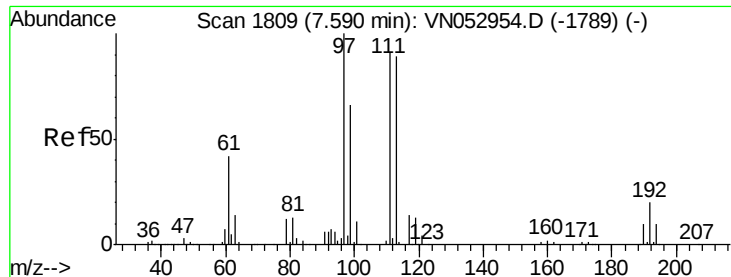
400000

200000

0

Time--> 8.50 8.60 8.70

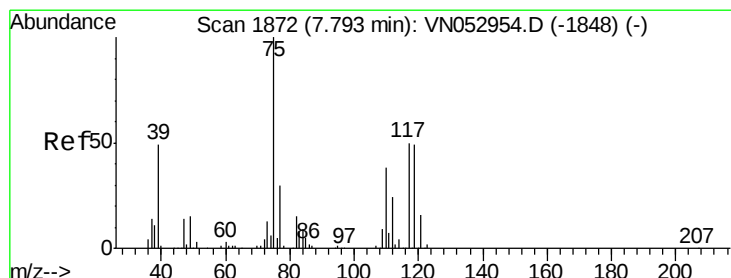
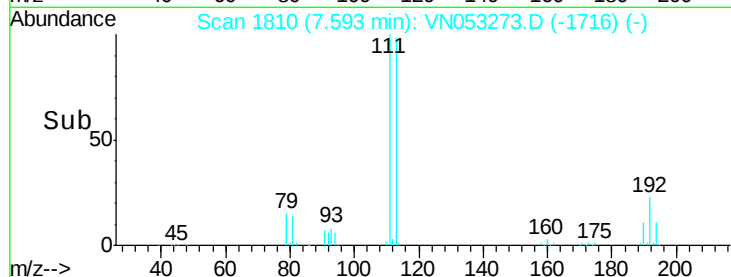
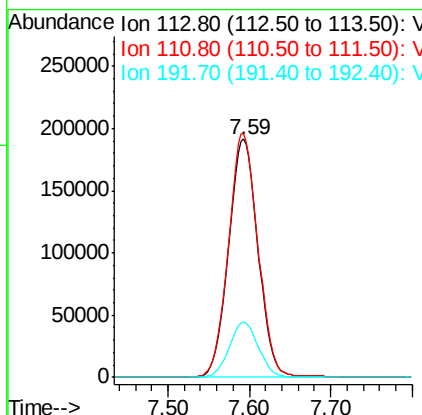
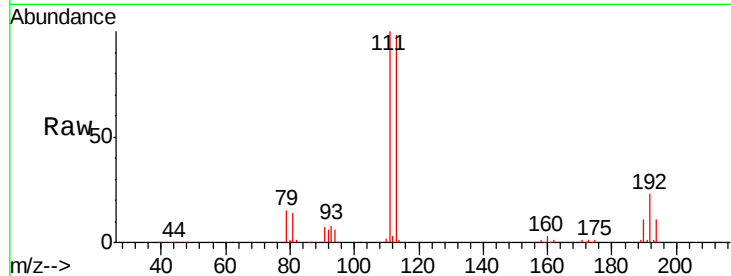




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053273.D
 Acq: 3 Jan 2019 20:05

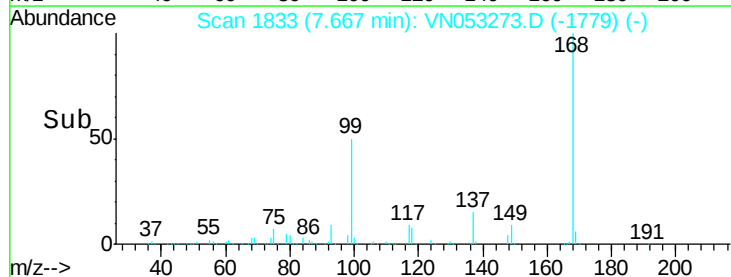
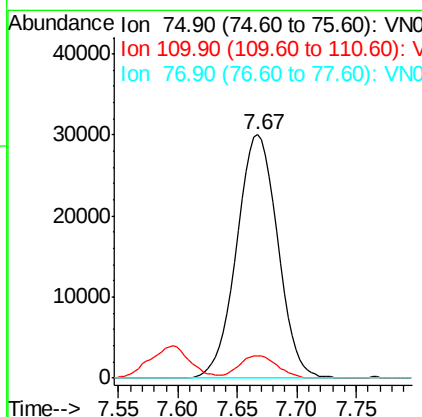
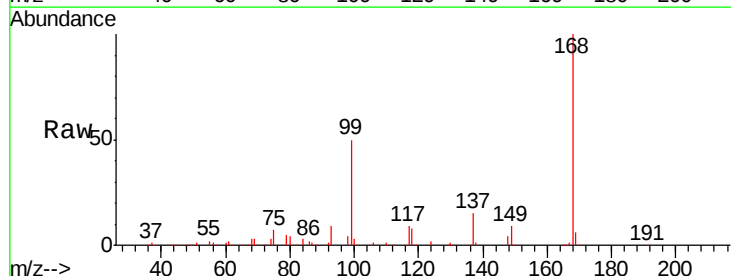
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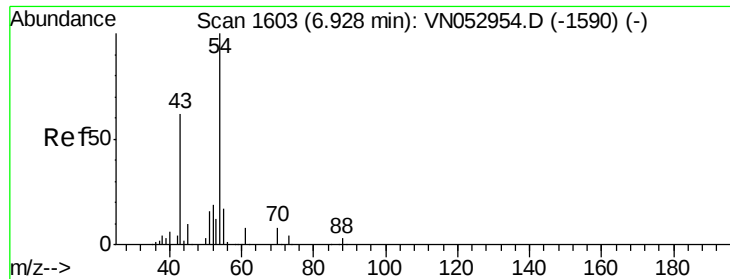
Tgt Ion:113 Resp: 483181
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 23.0 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.394 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053273.D
 Acq: 3 Jan 2019 20:05

Tgt Ion: 75 Resp: 71862
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.2 54.6#
 77 0.0 24.9 37.3#

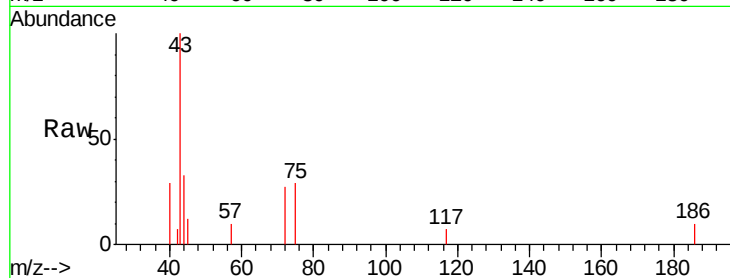




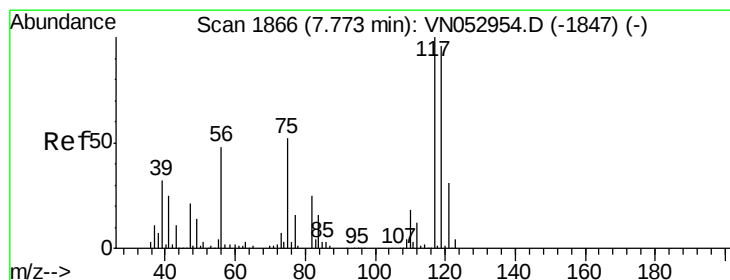
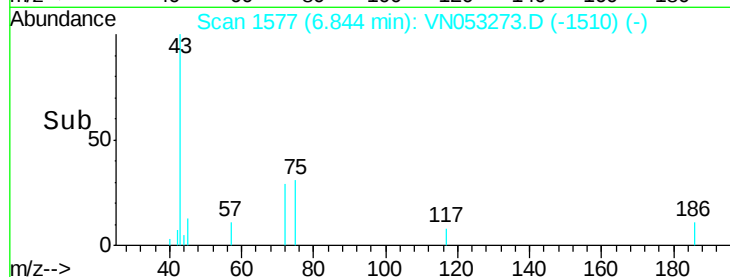
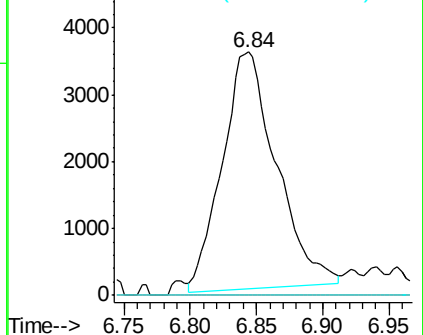
#37
Ethyl Acetate
Concen: 1.108 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.08 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
AU-05-010219-B

Tgt Ion: 43 Resp: 10116
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#

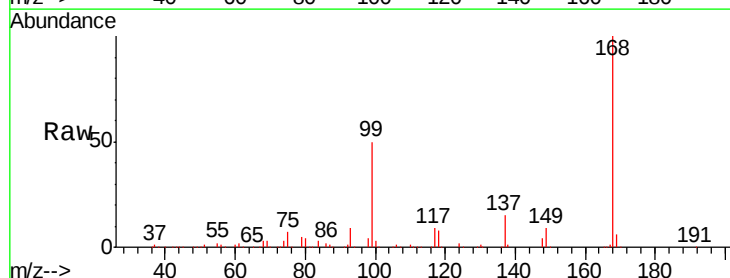


Abundance Ion 43.00 (42.70 to 43.70): VN053273.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN053273.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN053273.D (-1510) (-)

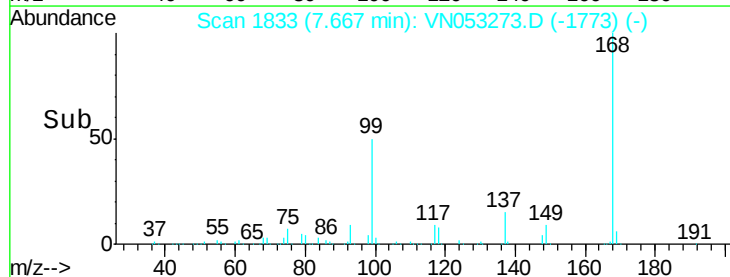
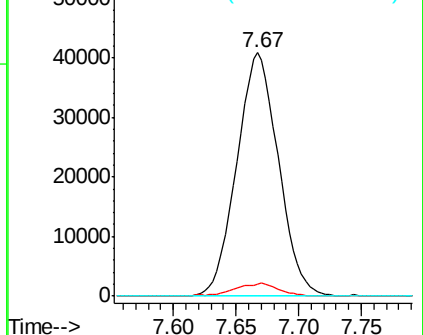


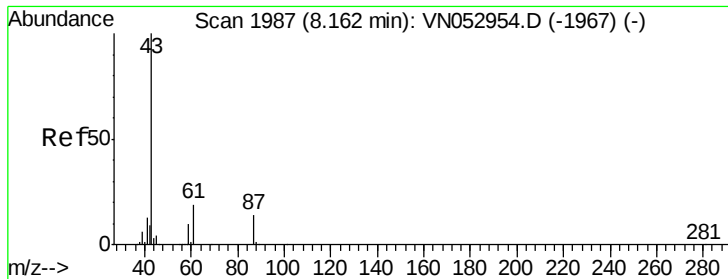
#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Tgt Ion: 117 Resp: 94224
Ion Ratio Lower Upper
117 100
119 4.9 77.1 115.7#
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN053273.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN053273.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN053273.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 1.807 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

AU-05-010219-B

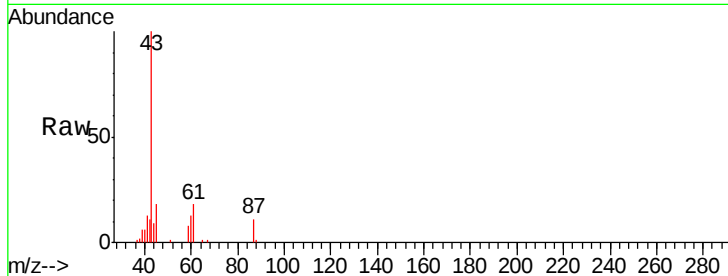
Tgt Ion: 43 Resp: 49715

Ion Ratio Lower Upper

43 100

61 17.1 22.9 34.3#

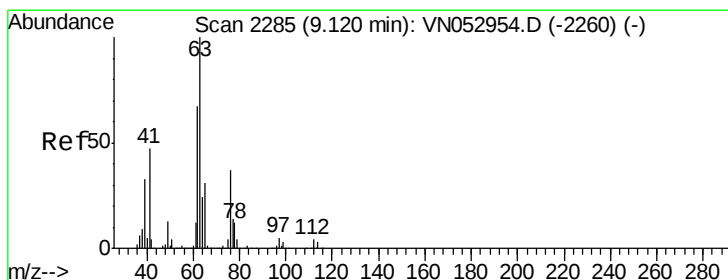
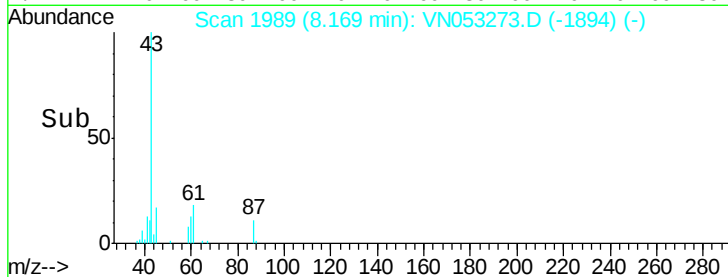
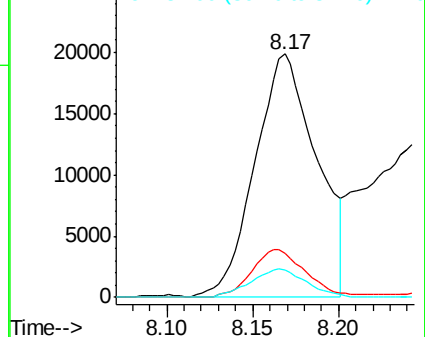
87 10.4 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.245 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053273.D

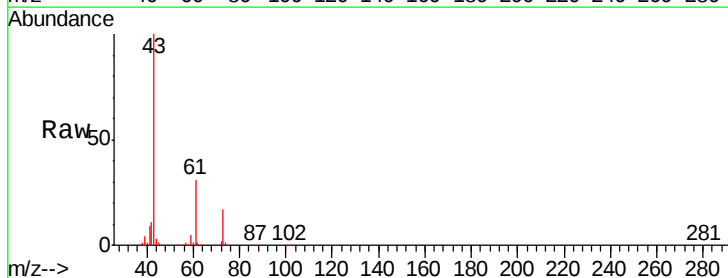
Acq: 3 Jan 2019 20:05

Tgt Ion: 63 Resp: 3106

Ion Ratio Lower Upper

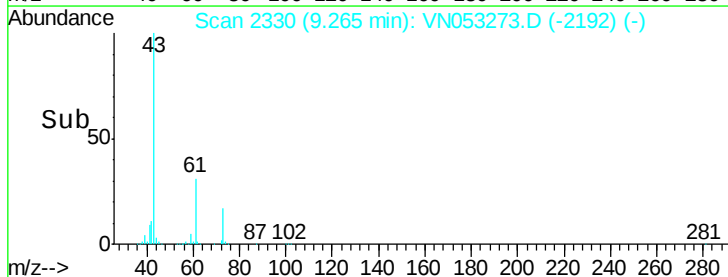
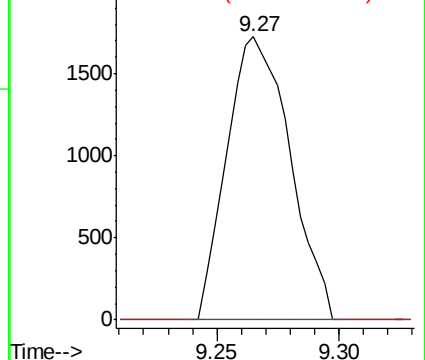
63 100

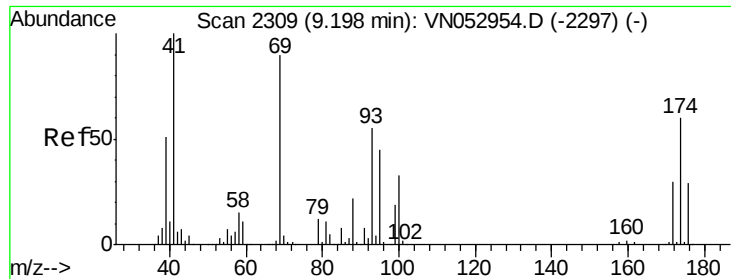
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

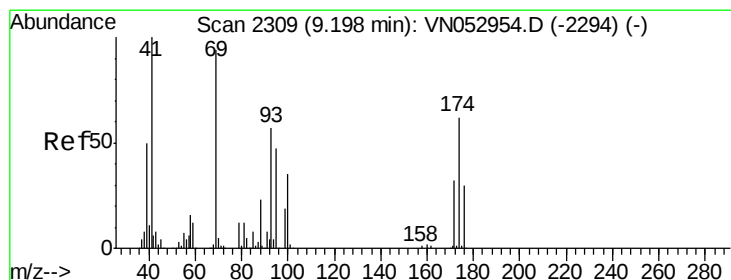
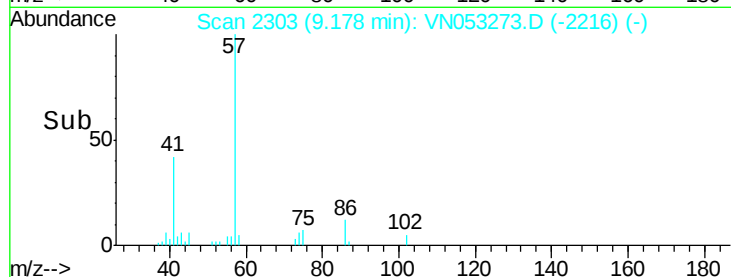
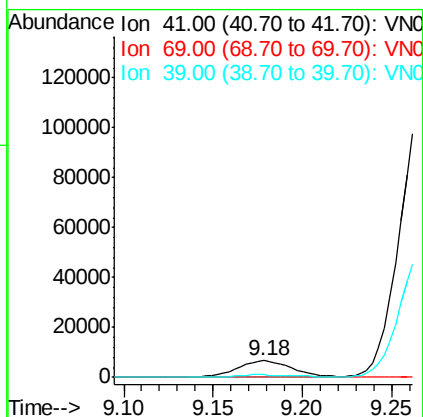
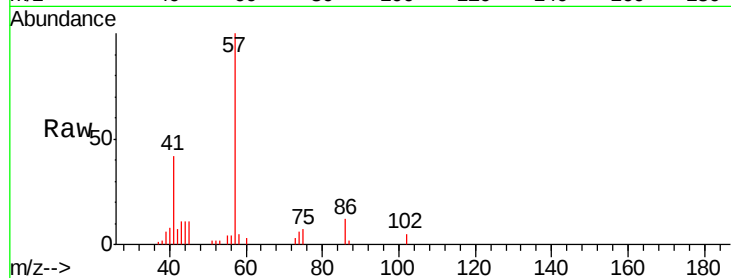




#48
Methyl methacrylate
Concen: 1.629 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

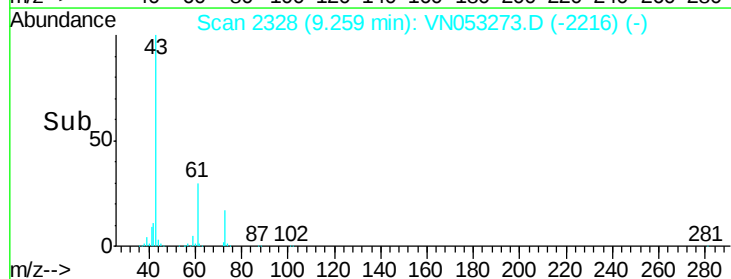
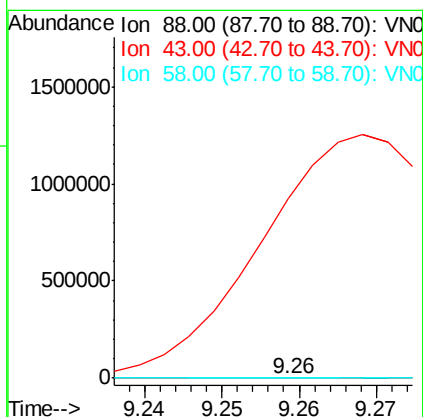
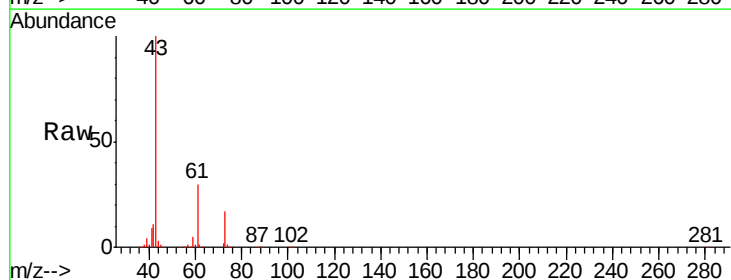
Instrument :
MSVOA_N
ClientSampleId :
AU-05-010219-B

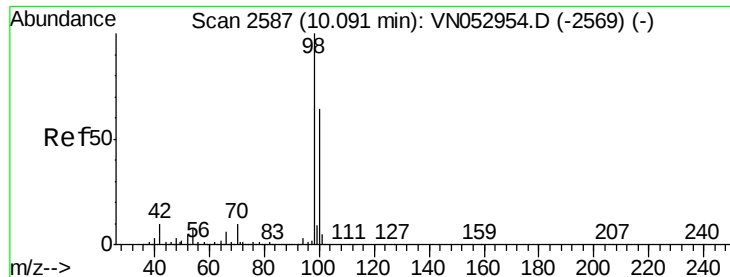
Tgt Ion: 41 Resp: 14428
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 1.463 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 0.0 26.6 40.0#
58 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 1.463 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampled :

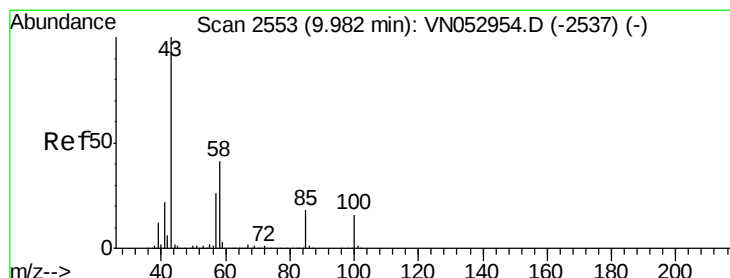
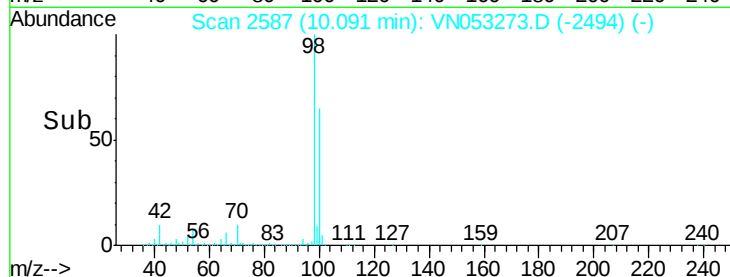
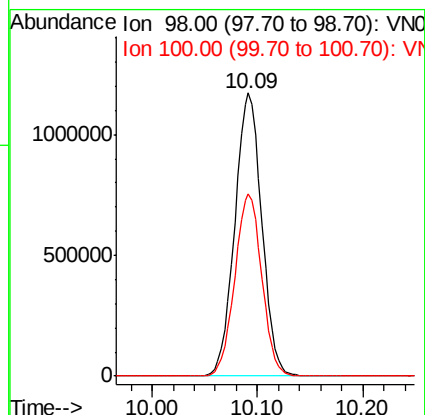
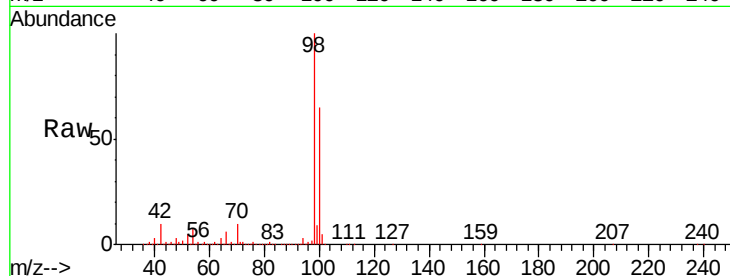
AU-05-010219-B

Tgt Ion: 98 Resp: 2073291

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.841 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053273.D

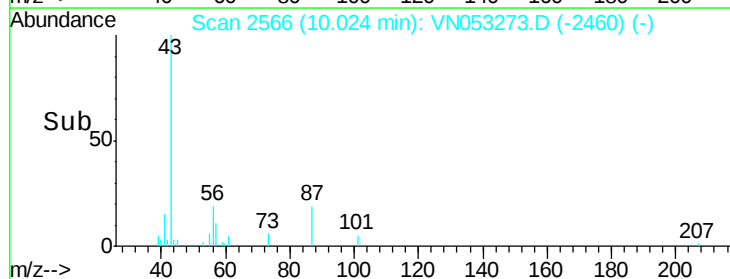
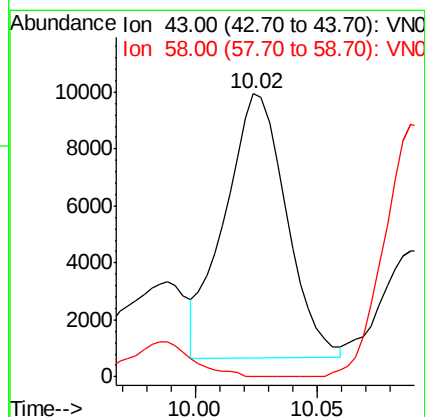
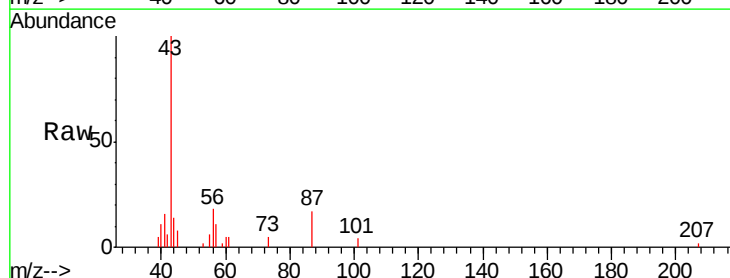
Acq: 3 Jan 2019 20:05

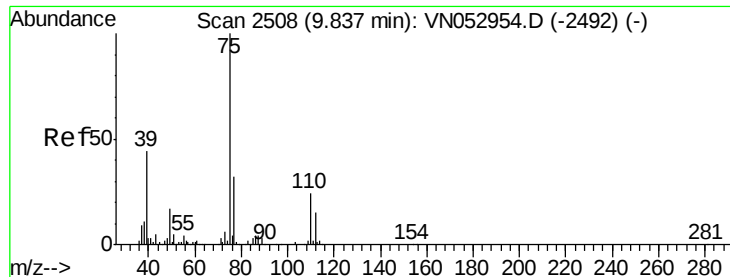
Tgt Ion: 43 Resp: 16276

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#





#54

cis-1,3-Dichloropropene

Concen: 5.635 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

AU-05-010219-B

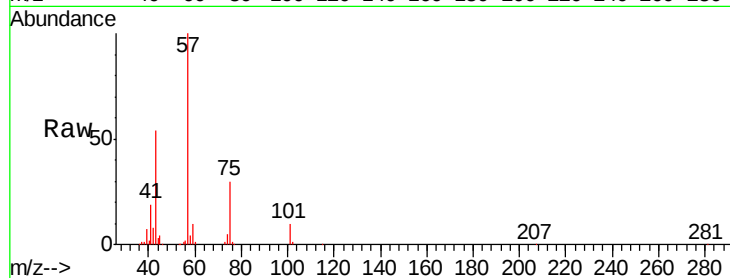
Tgt Ion: 75 Resp: 106710

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

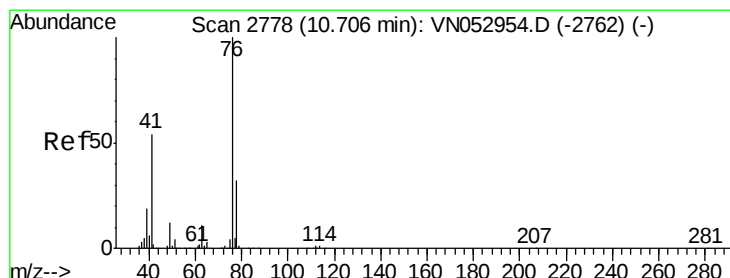
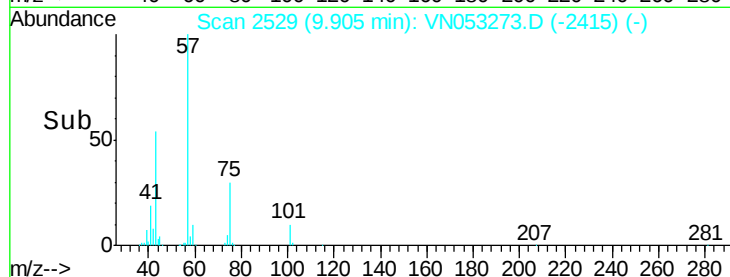
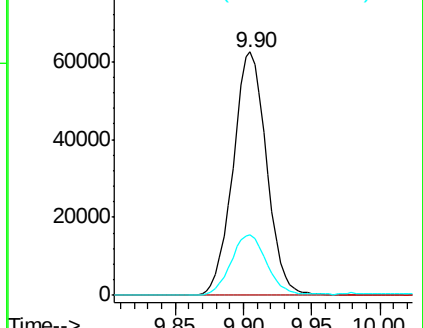
39 25.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.235 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053273.D

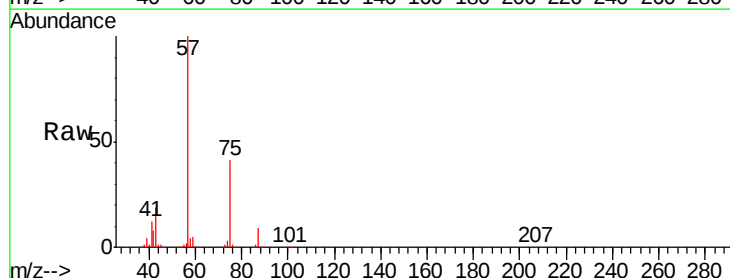
Acq: 3 Jan 2019 20:05

Tgt Ion: 76 Resp: 22285

Ion Ratio Lower Upper

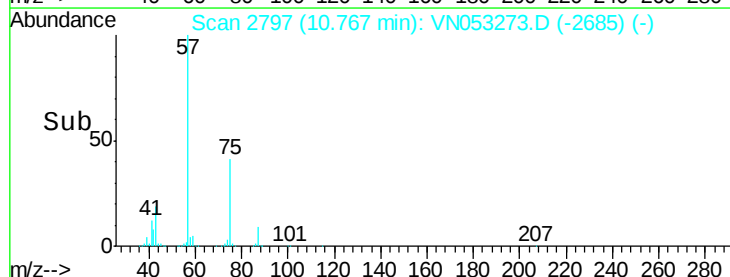
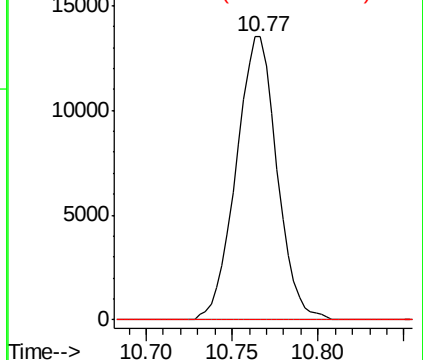
76 100

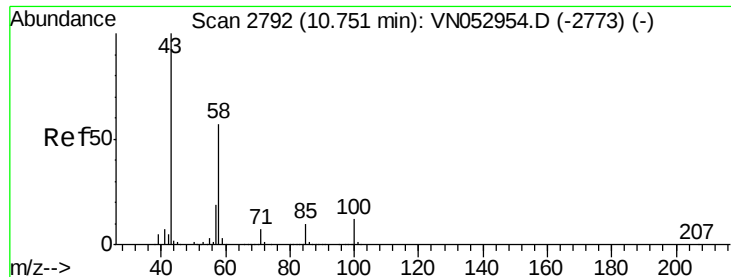
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

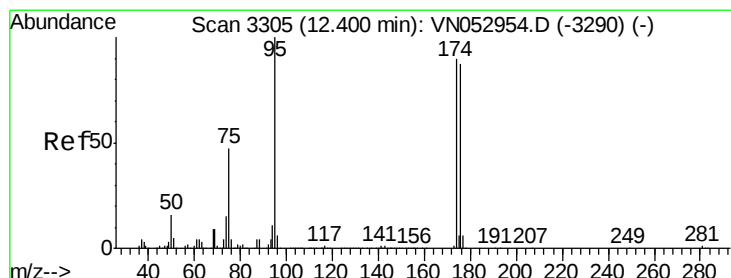
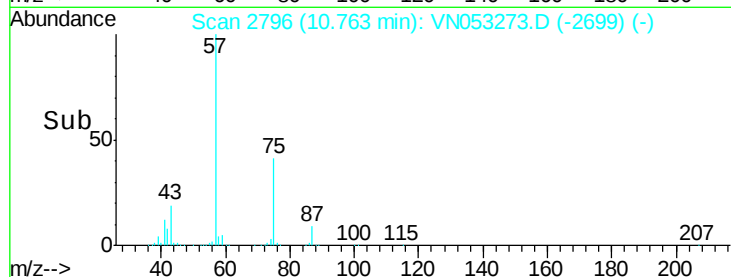
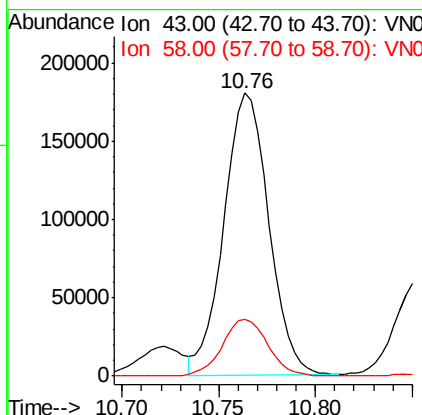
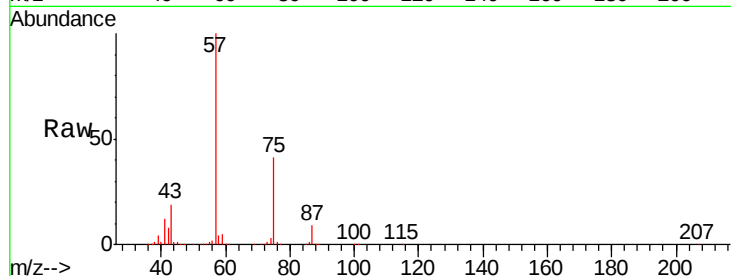




#59
2-Hexanone
Concen: 48.557 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

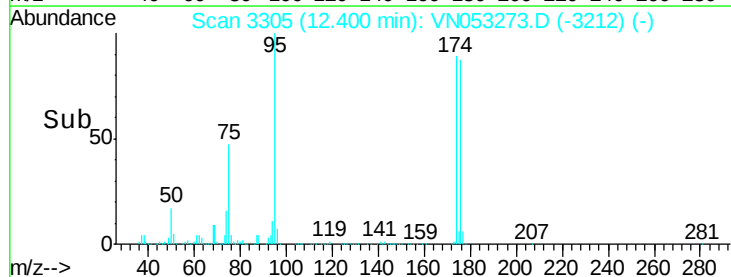
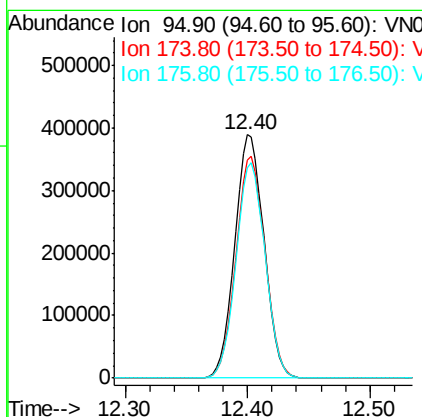
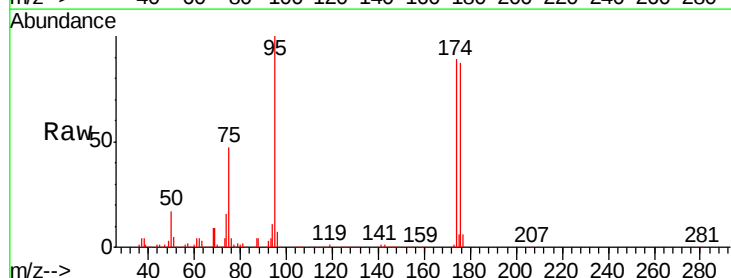
Instrument :
MSVOA_N
ClientSampleId :
AU-05-010219-B

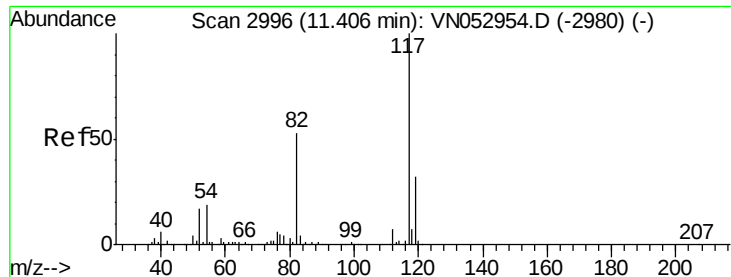
Tgt Ion: 43 Resp: 290478
Ion Ratio Lower Upper
43 100
58 20.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Tgt Ion: 95 Resp: 643752
Ion Ratio Lower Upper
95 100
174 90.8 0.0 178.8
176 87.8 0.0 173.8

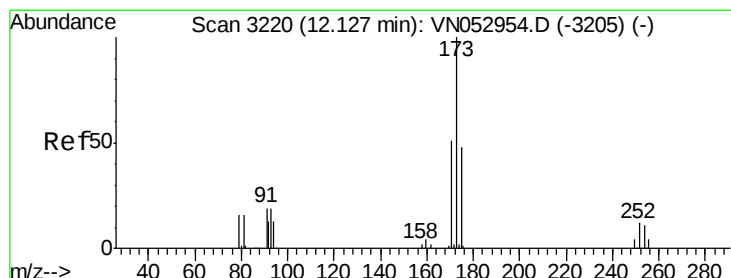
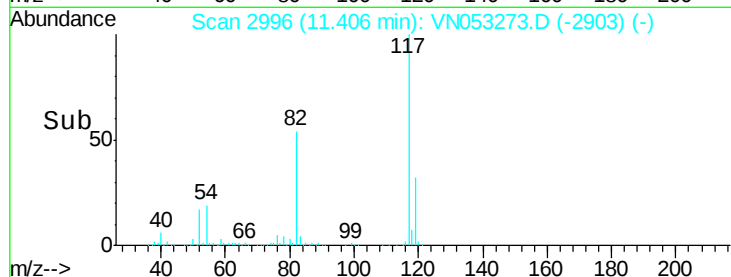
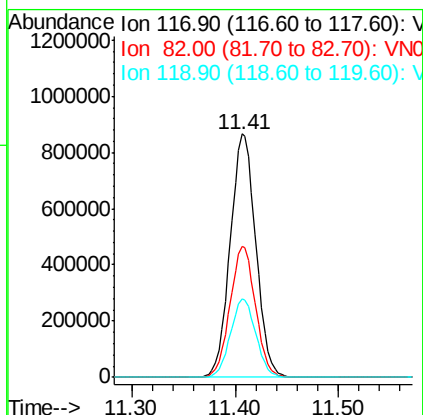
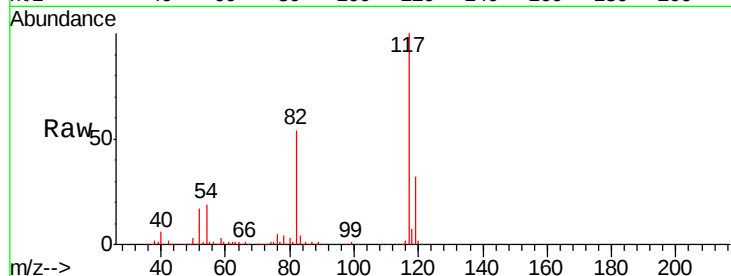




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

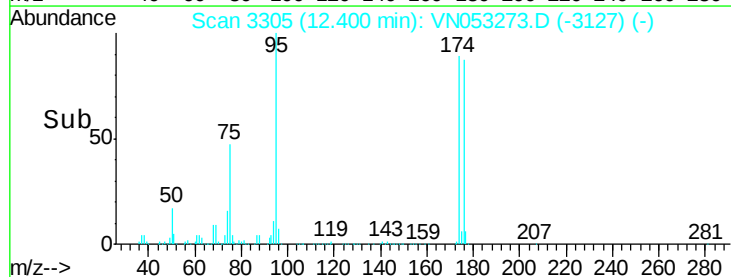
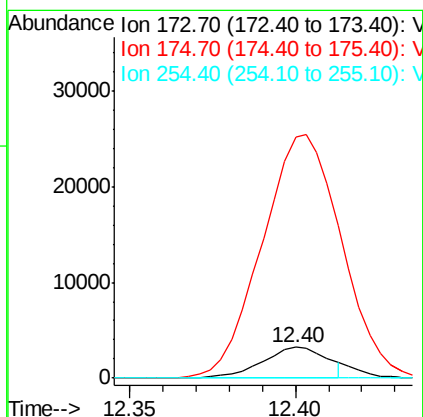
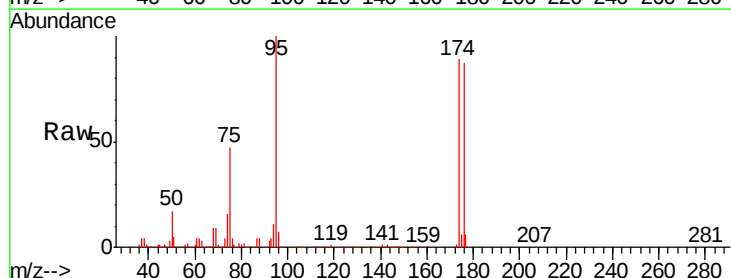
Instrument :
MSVOA_N
ClientSampleId :
AU-05-010219-B

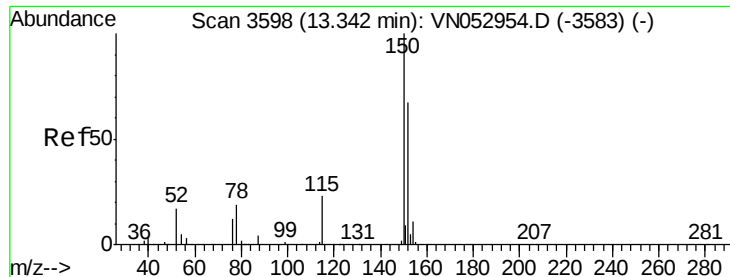
Tgt Ion:117 Resp: 1495284
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.527 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053273.D
Acq: 3 Jan 2019 20:05

Tgt Ion:173 Resp: 4387
Ion Ratio Lower Upper
173 100
175 845.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampled :

AU-05-010219-B

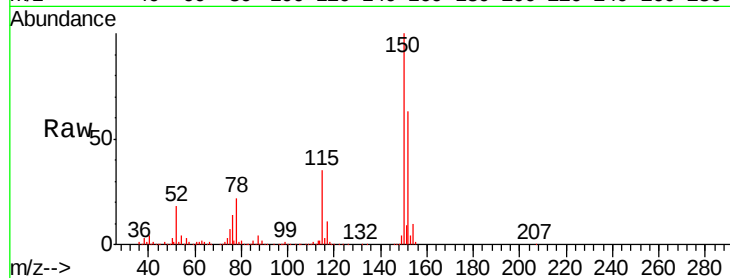
Tgt Ion:152 Resp: 552327

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

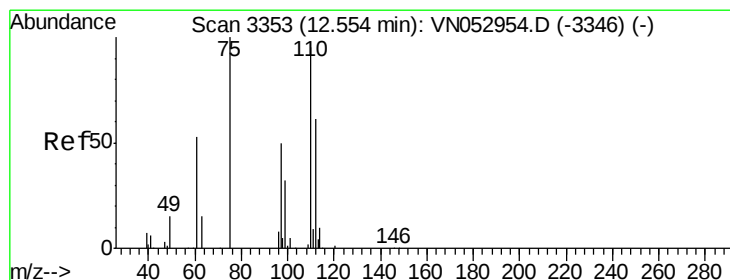
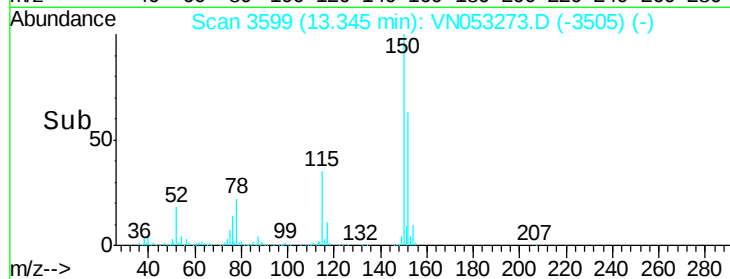
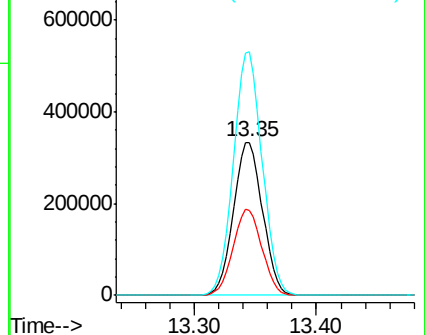
150 157.7 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 32.494 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053273.D

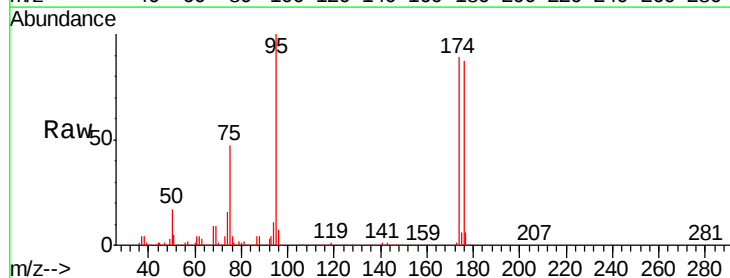
Acq: 3 Jan 2019 20:05

Tgt Ion: 75 Resp: 302120

Ion Ratio Lower Upper

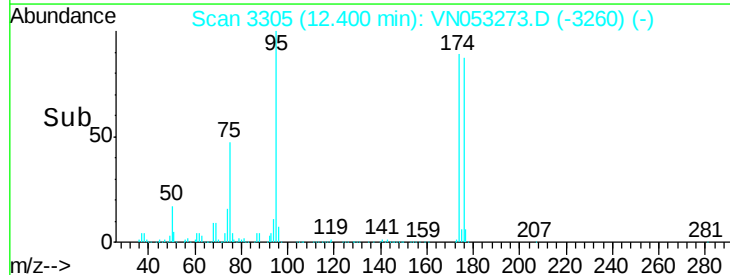
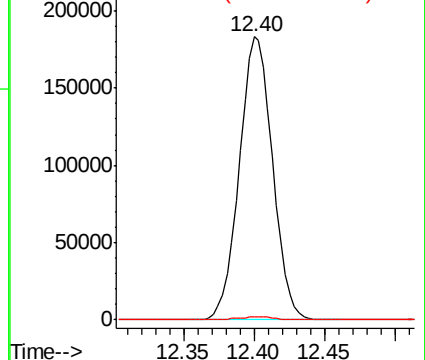
75 100

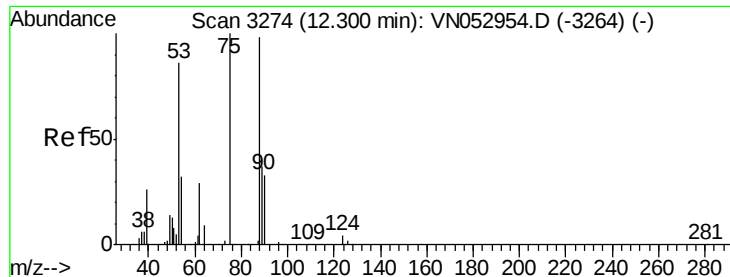
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 104.730 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

AU-05-010219-B

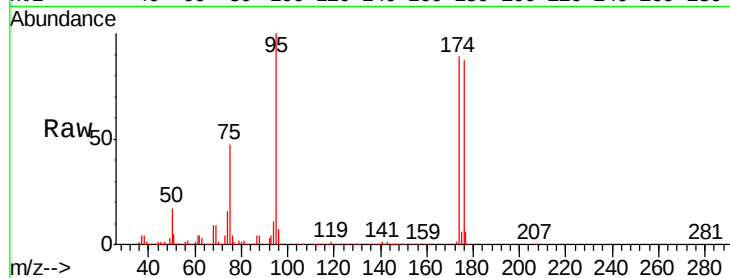
Tgt Ion: 75 Resp: 302120

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

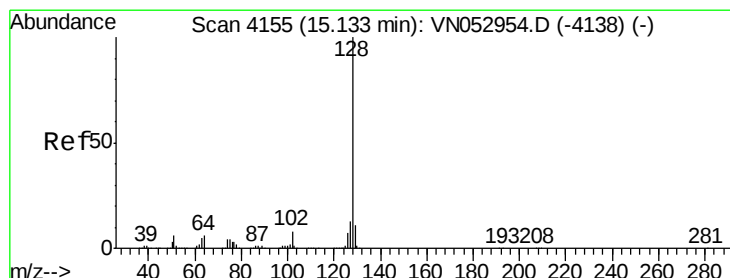
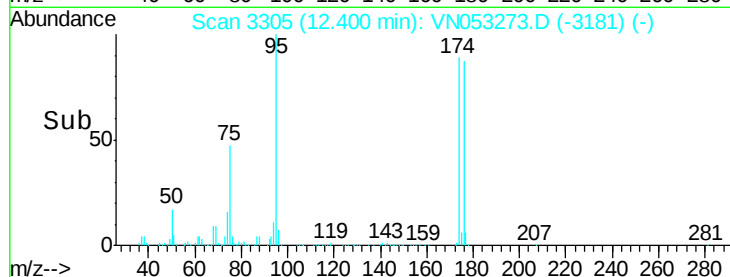
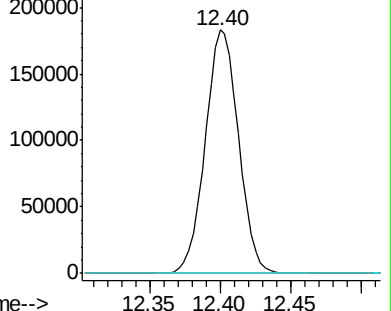
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053273.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053273.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053273.D (-3181) (-)



#95

Naphthalene

Concen: 1.367 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053273.D

Acq: 3 Jan 2019 20:05

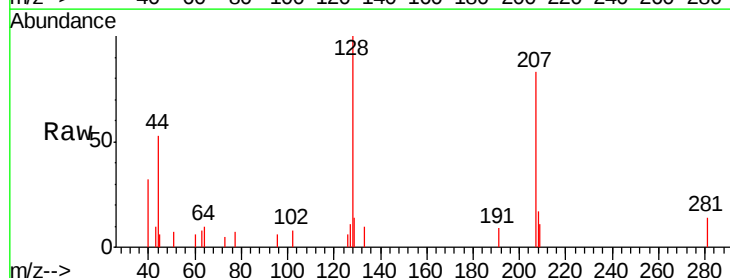
Tgt Ion: 128 Resp: 4905

Ion Ratio Lower Upper

128 100

127 9.5 10.2 15.4#

129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN053273.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN053273.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN053273.D (-4062) (-)

