

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064903.D
 Acq On : 3 Dec 2020 17:02
 Operator : JC/MD
 Sample : L4938-03
 Misc : 5.01µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 04 03:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	179199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	315409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106138	50.95	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.90%
35) Dibromofluoromethane	7.55	113	96778	51.28	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.56%
50) Toluene-d8	10.06	98	387454	50.24	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.48%
62) 4-Bromofluorobenzene	12.38	95	150862	54.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.32%

Target Compounds

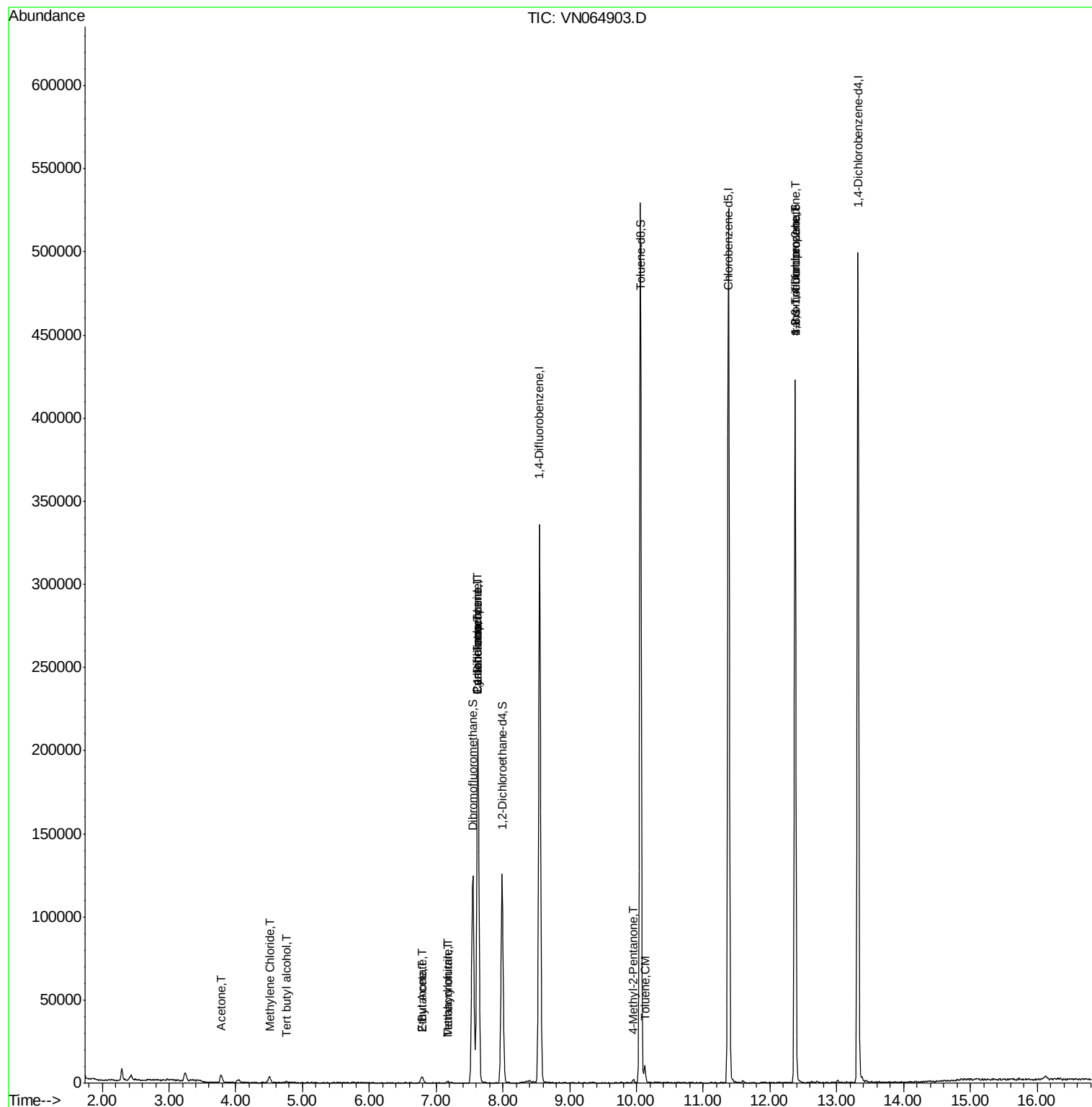
					Qvalue	
11) Tert butyl alcohol	4.76	59	1032	3.176	ug/l #	73
16) Acetone	3.78	43	7870	11.492	ug/l	94
20) Methylene Chloride	4.51	84	2904	1.353	ug/l #	93
25) 2-Butanone	6.79	43	2079	1.873	ug/l #	49
29) Tetrahydrofuran	7.17	42	648	0.846	ug/l #	43
31) Cyclohexane	7.63	56	2928	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11928	4.080	ug/l #	48
37) Ethyl Acetate	6.79	43	2079	0.738	ug/l #	66
38) Carbon Tetrachloride	7.62	117	16602	5.458	ug/l #	17
41) Methacrylonitrile	7.17	41	262	0.202	ug/l #	13
51) 4-Methyl-2-Pentanone	9.96	43	2022	0.743	ug/l #	86
52) Toluene	10.12	92	4322	0.783	ug/l	95
76) 1,2,3-Trichloropropane	12.38	75	71665	23.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71665	64.614	ug/l #	15

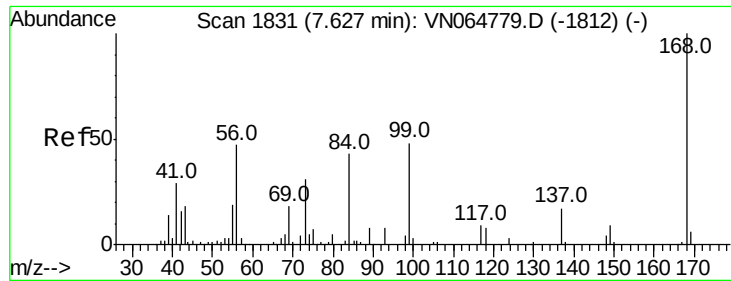
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

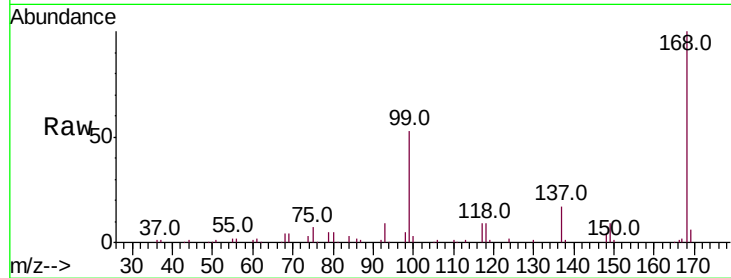
IBLK

Tot Ion:168 Resp: 179199

Ion Ratio Lower Upper

168 100

99 52.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.63

80000

60000

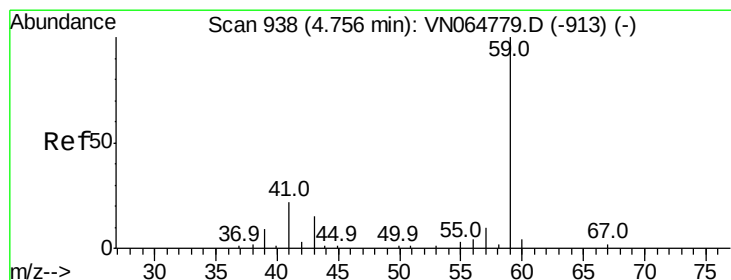
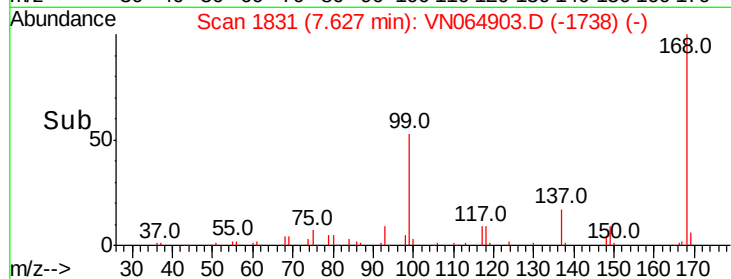
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 3.176 ug/l

RT: 4.76 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN064903.D

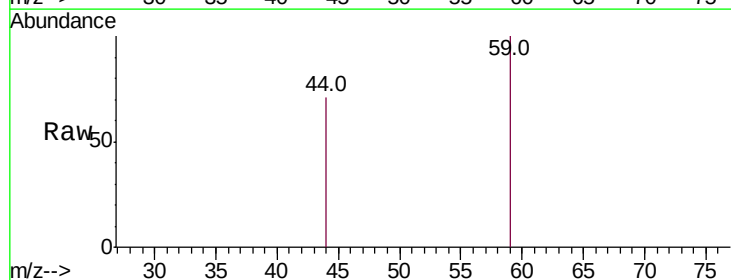
Acq: 3 Dec 2020 17:02

Tgt Ion: 59 Resp: 1032

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN064779.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN064779.D (-913) (-)

4.76

600

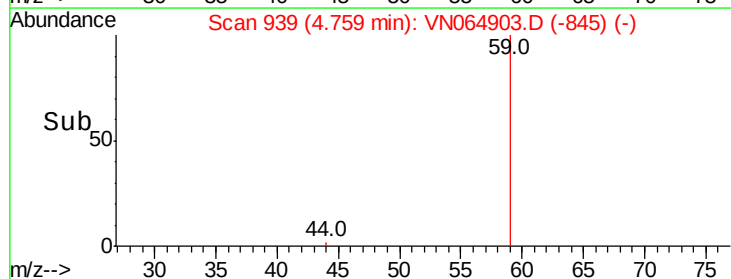
400

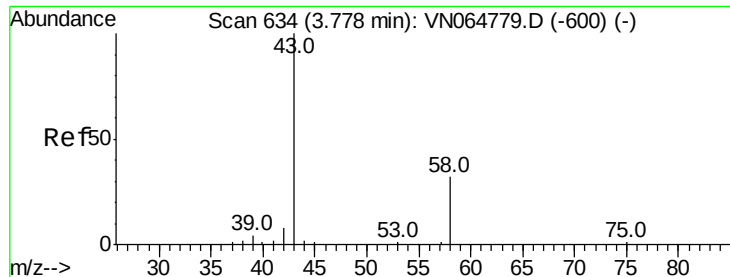
200

0

4.75 4.80

Time-->





#16

Acetone

Concen: 11.492 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

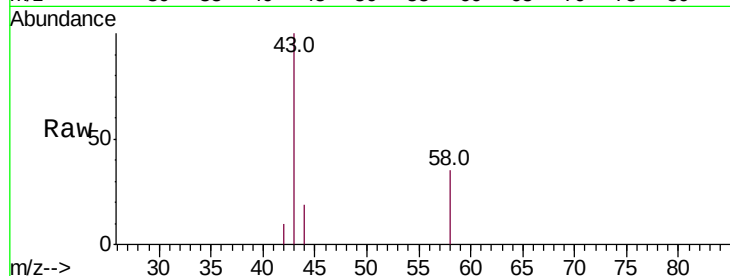
IBLK

Tot Ion: 43 Resp: 7870

Ion Ratio Lower Upper

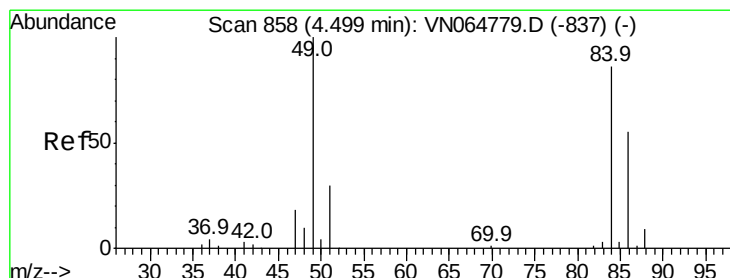
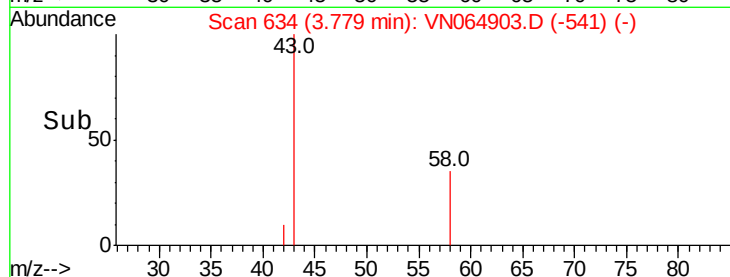
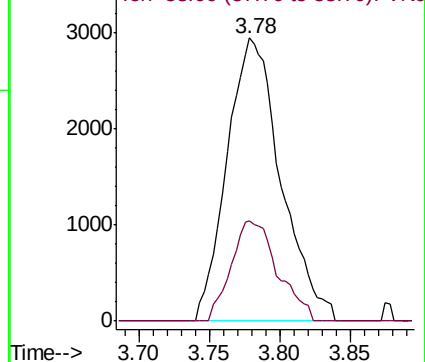
43 100

58 35.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 1.353 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.01 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Tgt Ion: 84 Resp: 2904

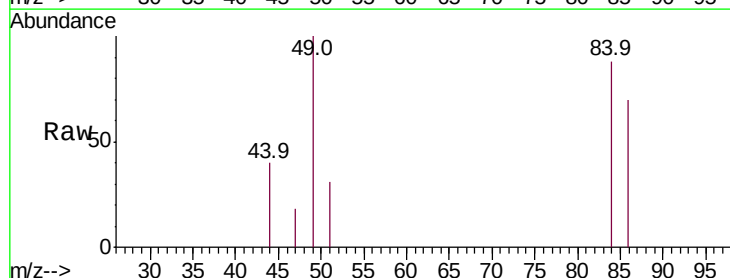
Ion Ratio Lower Upper

84 100

49 114.1 93.4 140.0

51 35.9 28.2 42.4

86 80.1 51.7 77.5#

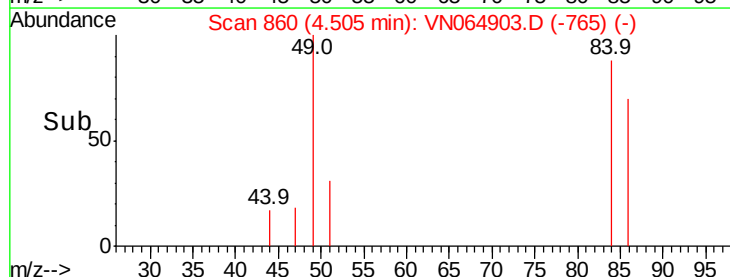
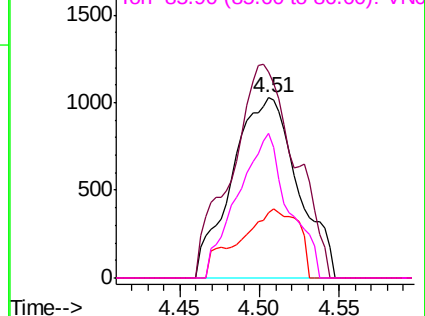


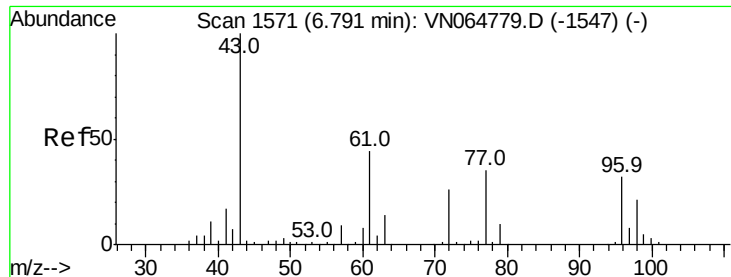
Abundance Ion 83.90 (83.60 to 84.60): VNO

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





#25

2-Butanone

Concen: 1.873 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

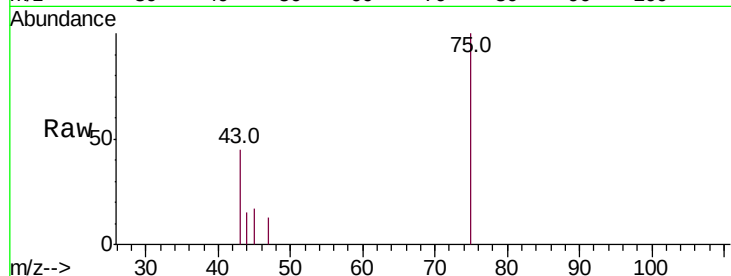
IBLK

Tot Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

800

600

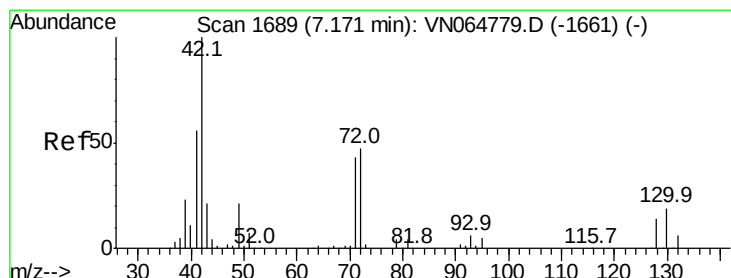
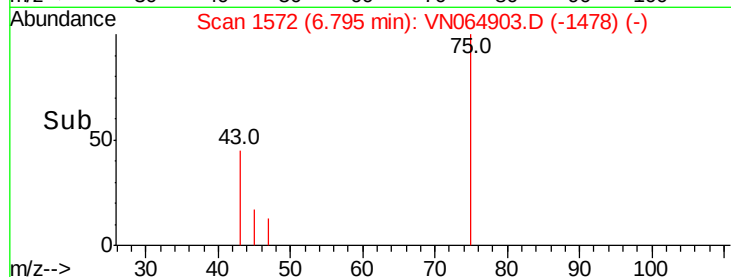
400

200

0

6.75 6.80 6.85

Time-->



#29

Tetrahydrofuran

Concen: 0.846 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

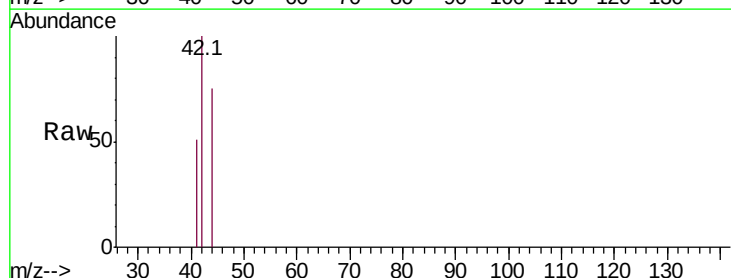
Tgt Ion: 42 Resp: 648

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 14.8 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.17

500

400

300

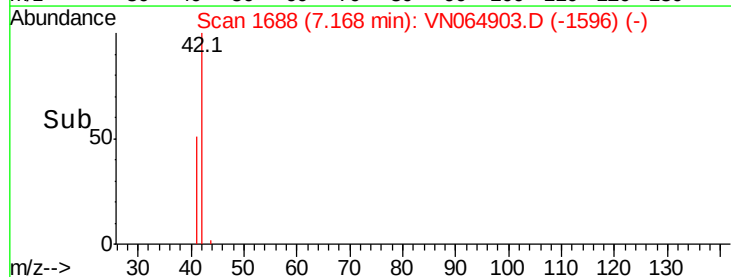
200

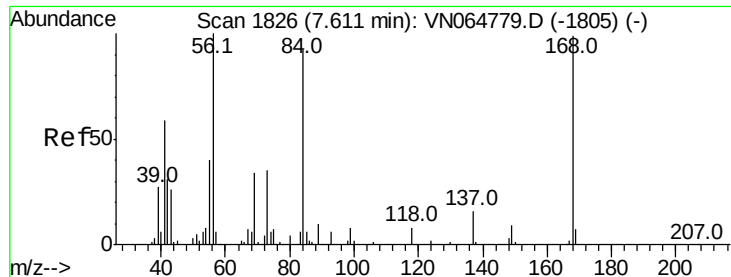
100

0

7.14 7.16 7.18 7.20

Time-->

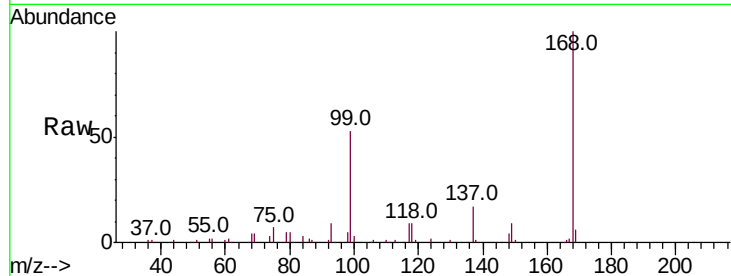




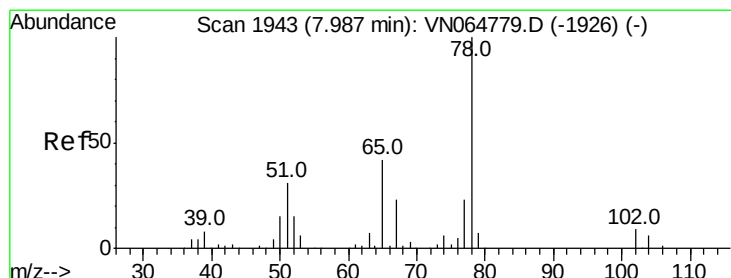
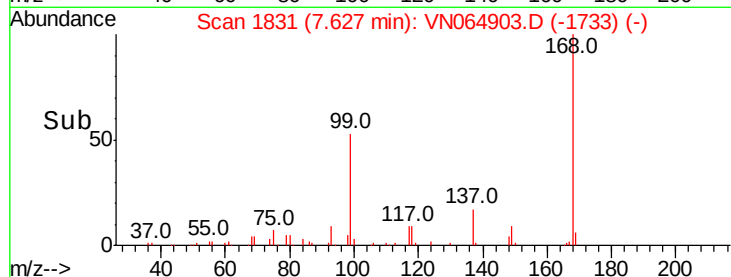
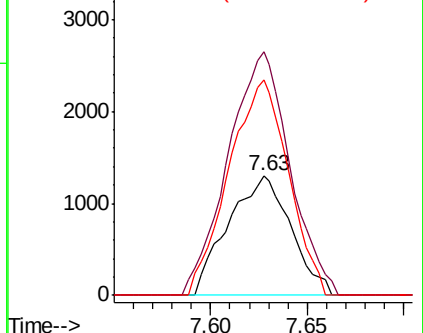
#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064903.D
Acq: 3 Dec 2020 17:02

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 203.1 27.5 41.3#
84 180.1 73.9 110.9#

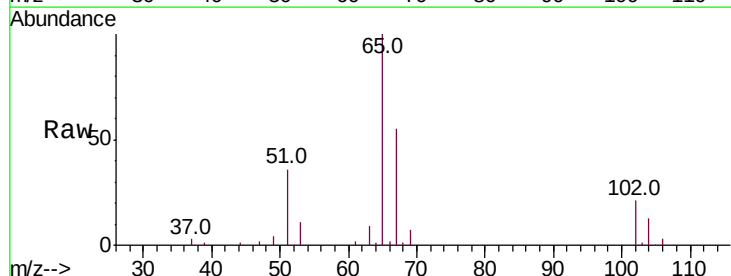


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

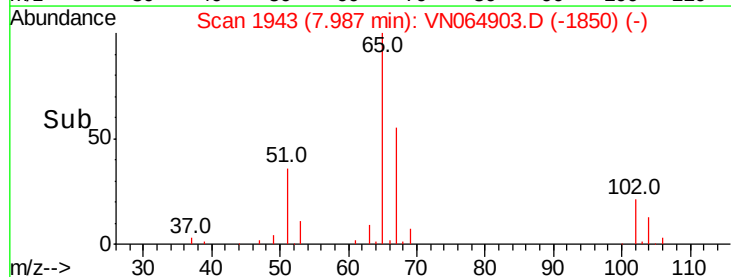
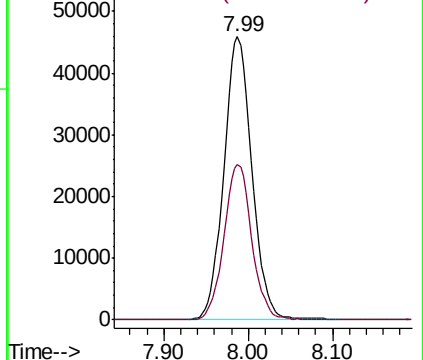


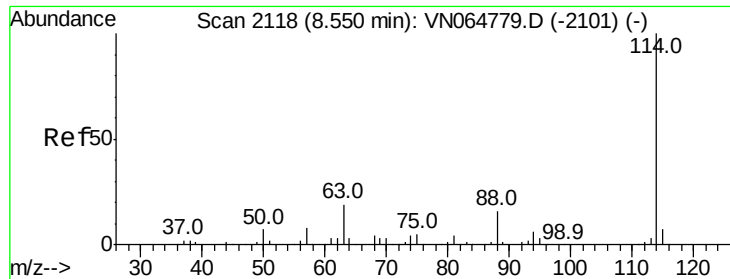
#33
1,2-Dichloroethane-d4
Concen: 50.947 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064903.D
Acq: 3 Dec 2020 17:02

Tgt Ion: 65 Resp: 106138
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.2



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

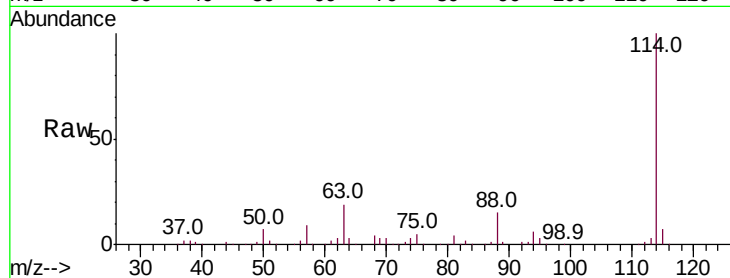




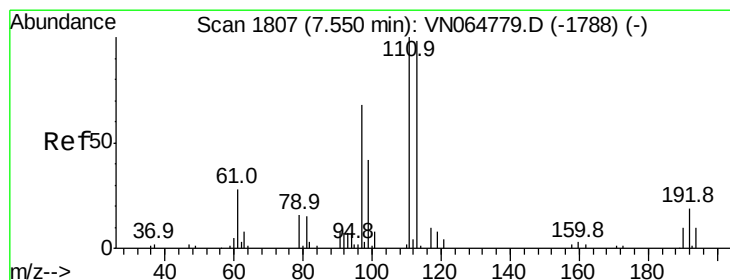
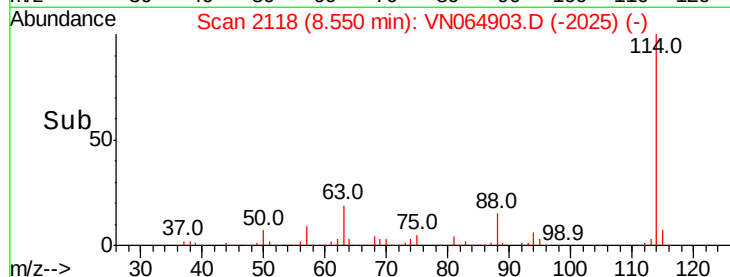
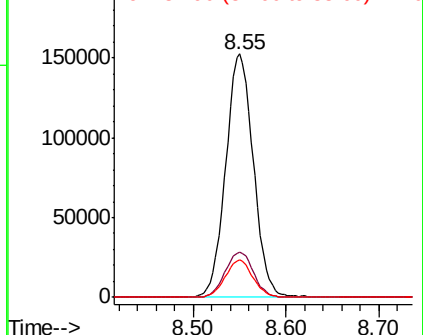
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064903.D
 Acq: 3 Dec 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion:114 Resp: 315409
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.3 0.0 32.6

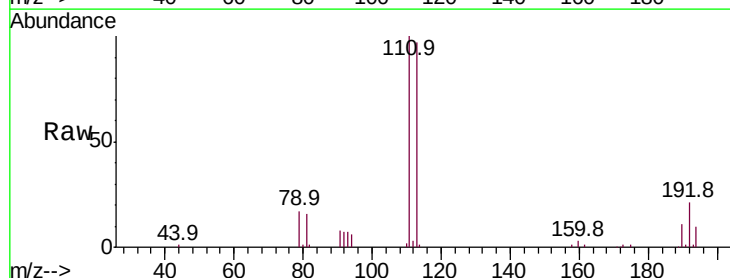


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

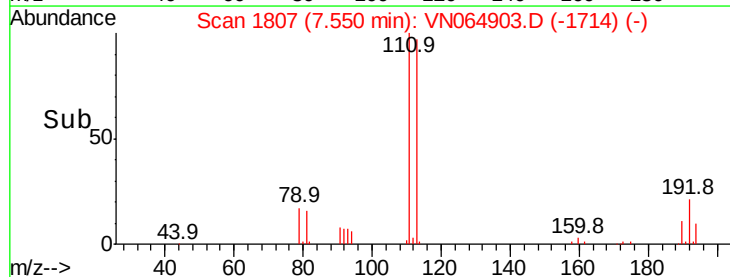
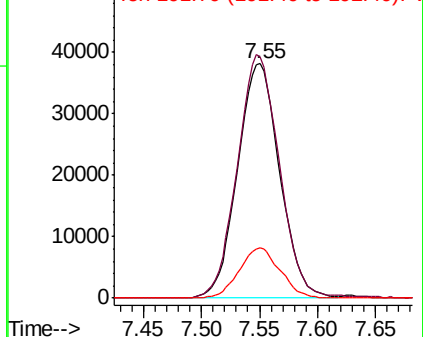


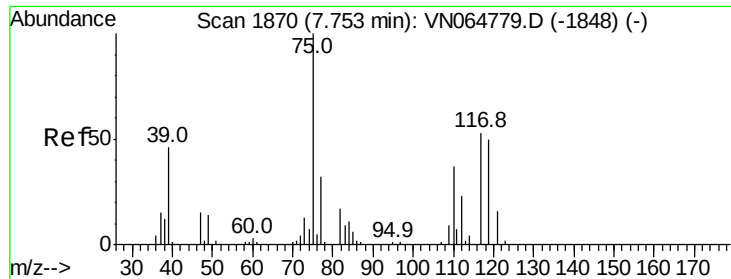
#35
 Dibromofluoromethane
 Concen: 51.278 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064903.D
 Acq: 3 Dec 2020 17:02

Tgt Ion:113 Resp: 96778
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 20.6 16.2 24.2



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

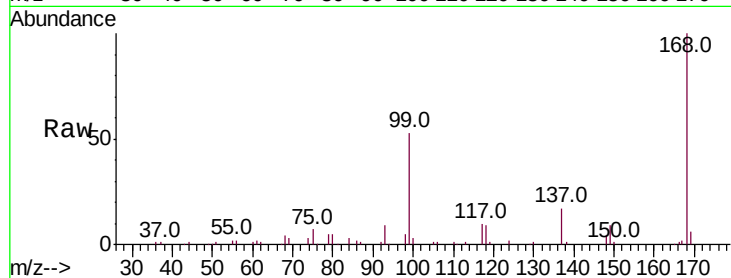




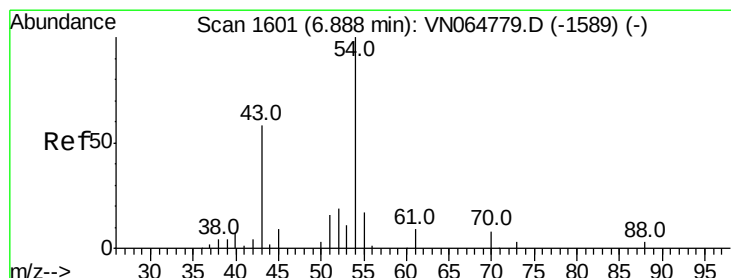
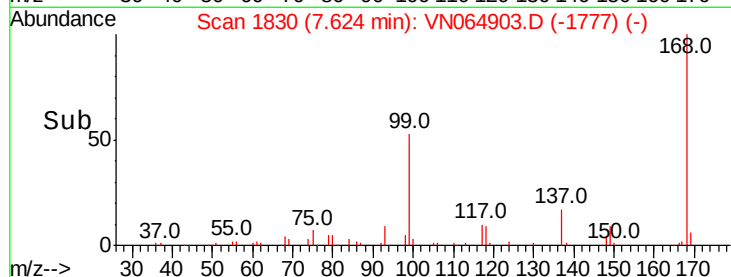
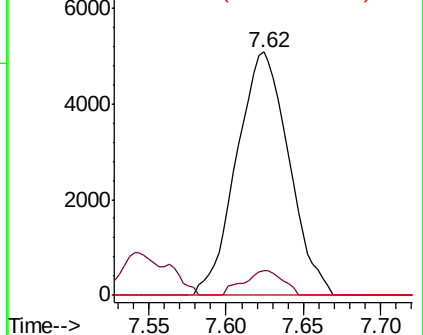
#36
 1,1-Dichloropropene
 Concen: 4.080 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064903.D
 Acq: 3 Dec 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion: 75 Resp: 11928
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.3#
 77 0.0 25.0 37.4#

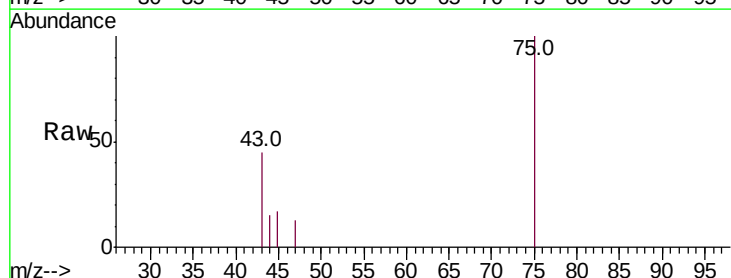


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

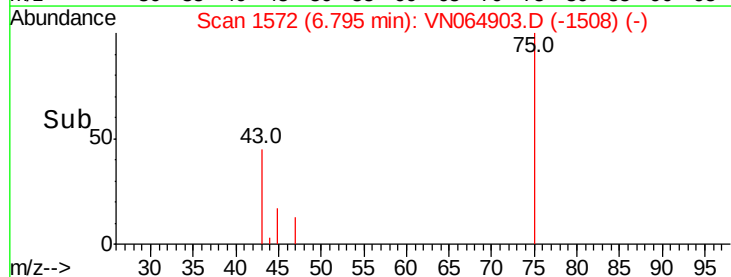
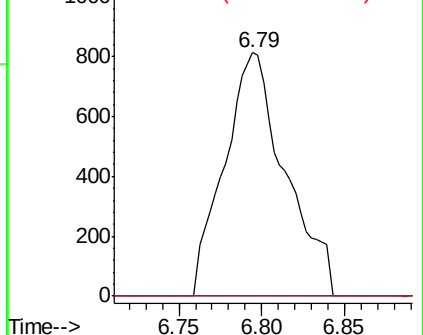


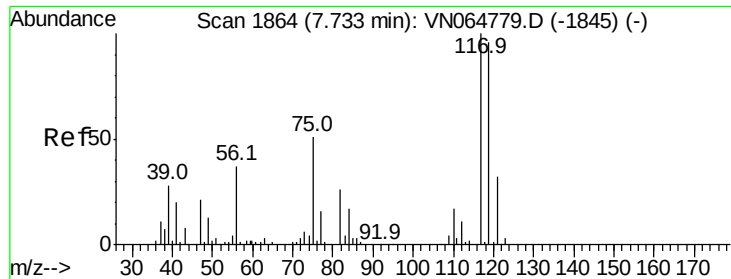
#37
 Ethyl Acetate
 Concen: 0.738 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. -0.09 min
 Lab File: VN064903.D
 Acq: 3 Dec 2020 17:02

Tgt Ion: 43 Resp: 2079
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

IBLK

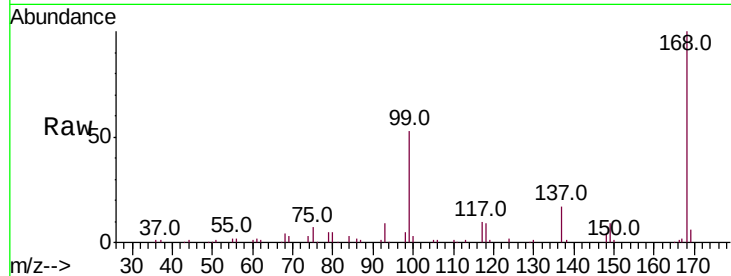
Tot Ion:117 Resp: 16602

Ion Ratio Lower Upper

117 100

119 6.4 76.7 115.1#

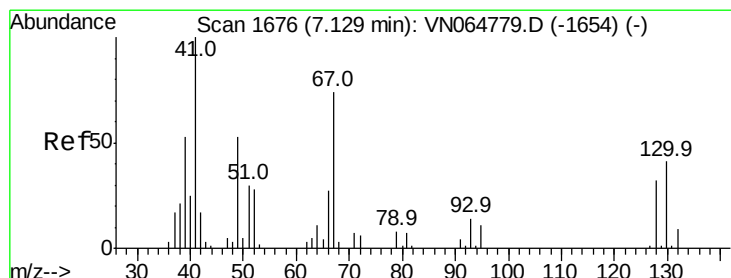
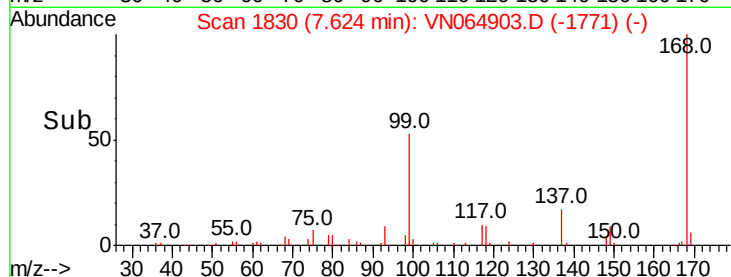
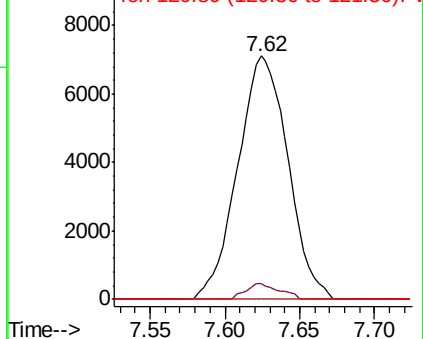
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.202 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.04 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Tgt Ion: 41 Resp: 262

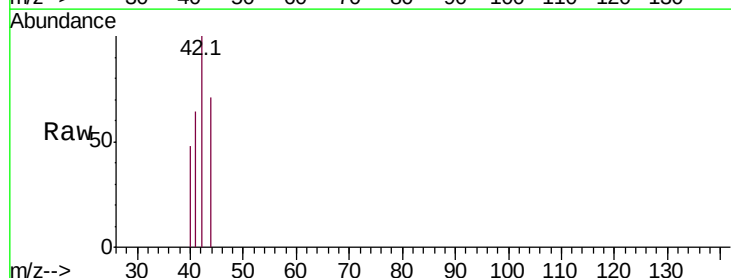
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#

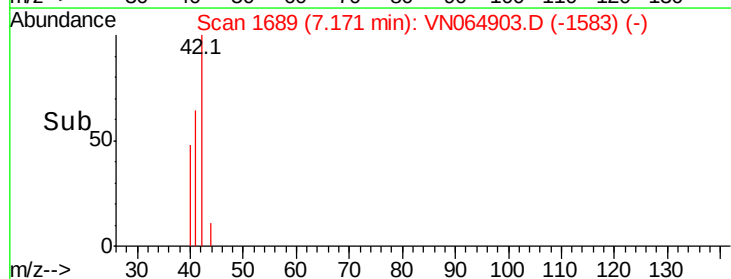
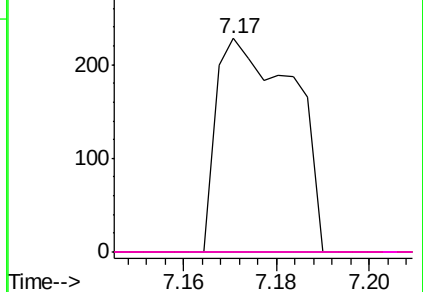


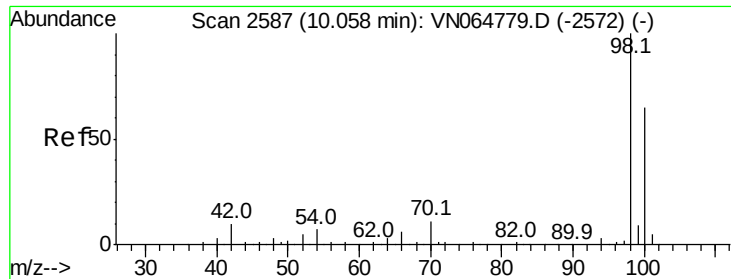
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 50.244 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

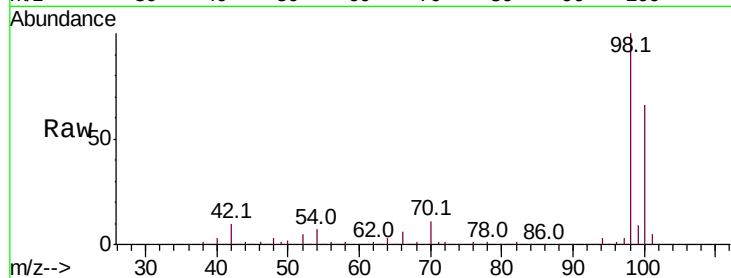
IBLK

Tot Ion: 98 Resp: 387454

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

150000

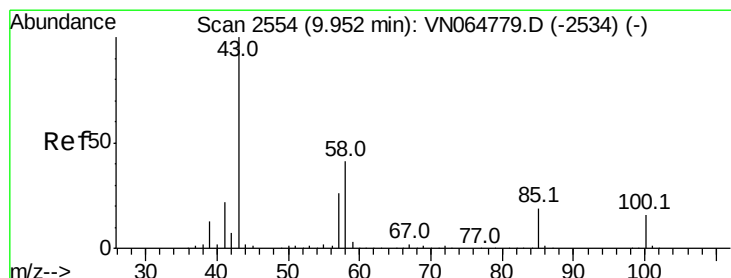
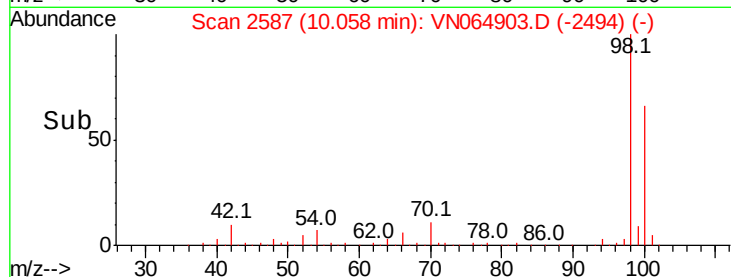
100000

50000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.743 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064903.D

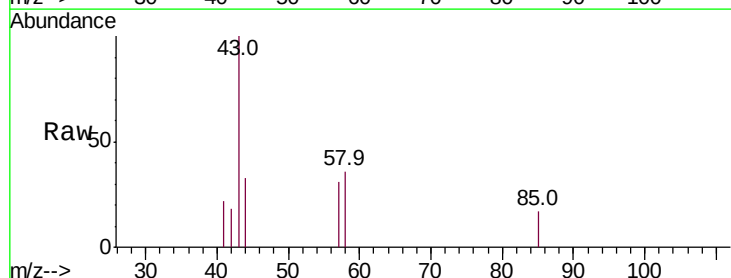
Acq: 3 Dec 2020 17:02

Tgt Ion: 43 Resp: 2022

Ion Ratio Lower Upper

43 100

58 31.7 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.96

1000

800

600

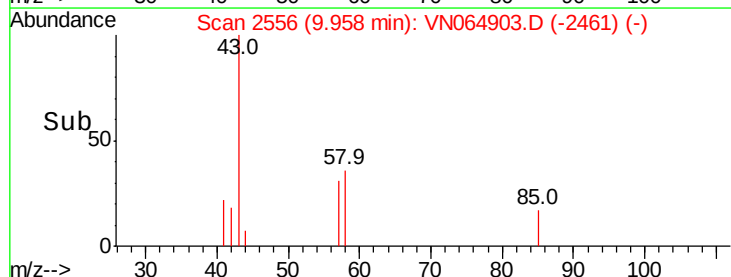
400

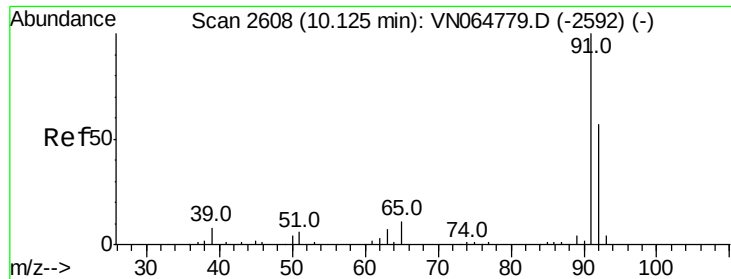
200

0

9.90 9.95 10.00

Time-->





#52

Toluene

Concen: 0.783 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

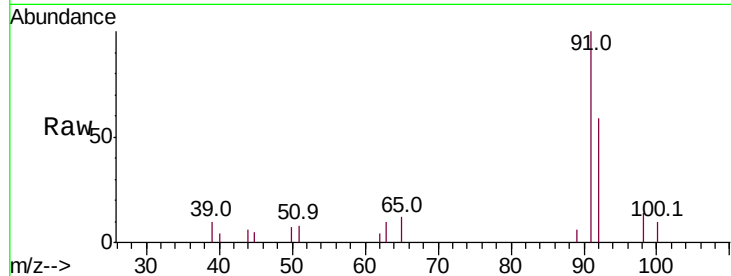
IBLK

Tot Ion: 92 Resp: 4322

Ion Ratio Lower Upper

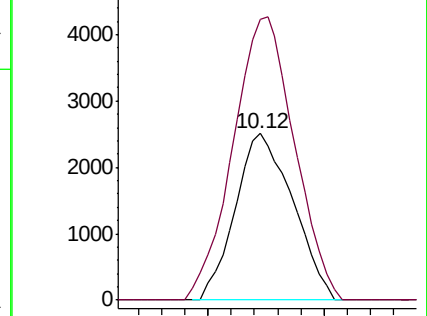
92 100

91 181.4 139.1 208.7

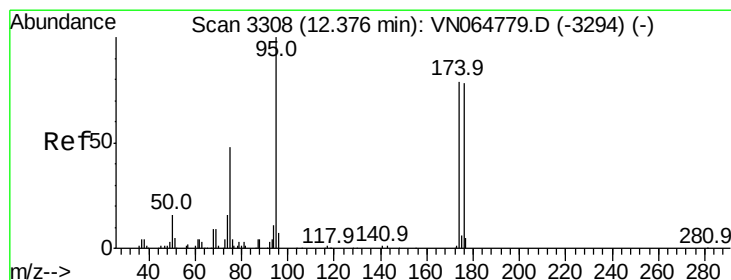
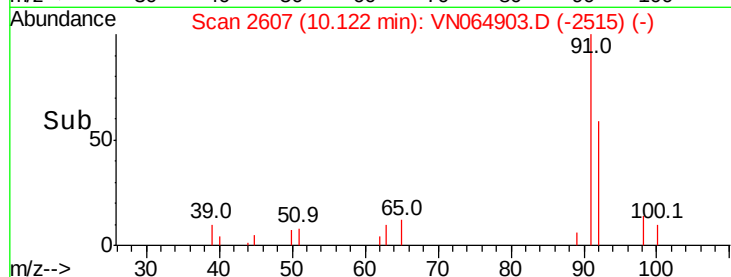


Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 54.665 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

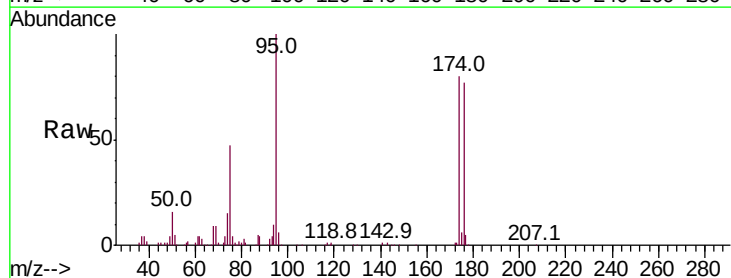
Tgt Ion: 95 Resp: 150862

Ion Ratio Lower Upper

95 100

174 80.9 0.0 160.4

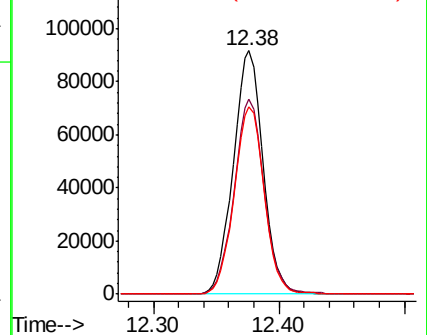
176 77.9 0.0 158.4



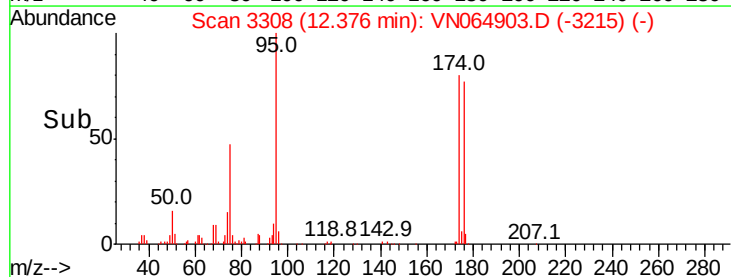
Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

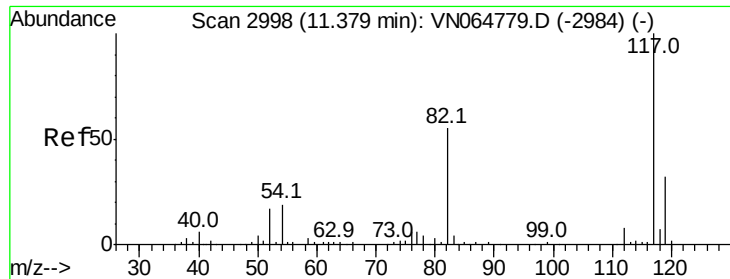
Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)



Time-->

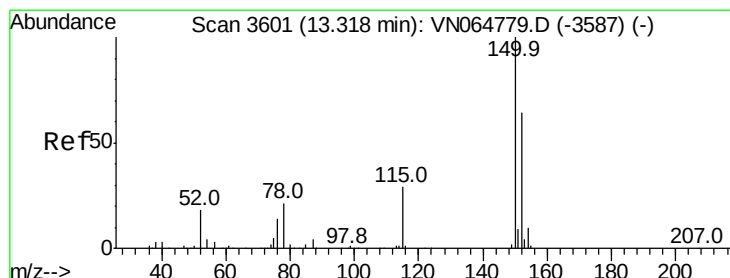
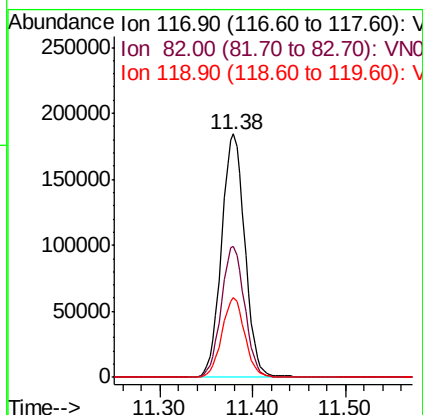
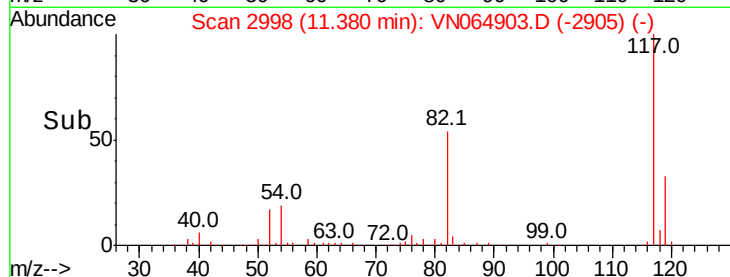
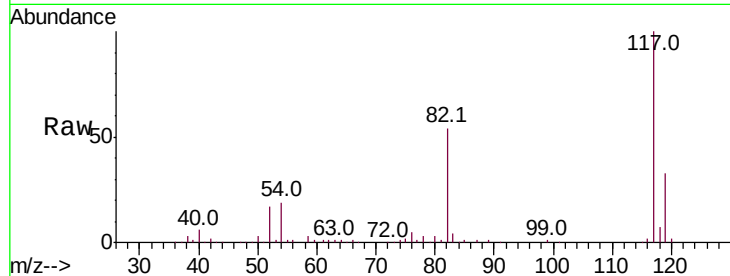




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064903.D
Acq: 3 Dec 2020 17:02

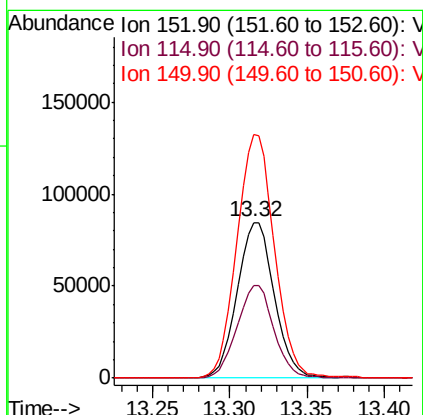
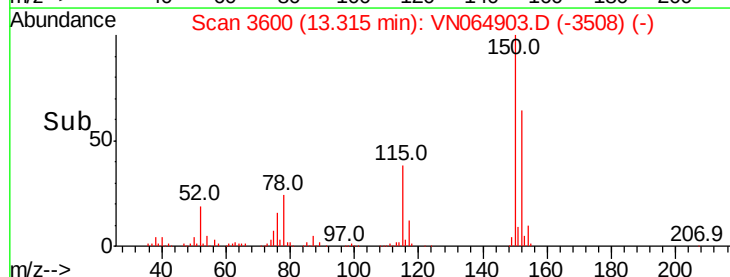
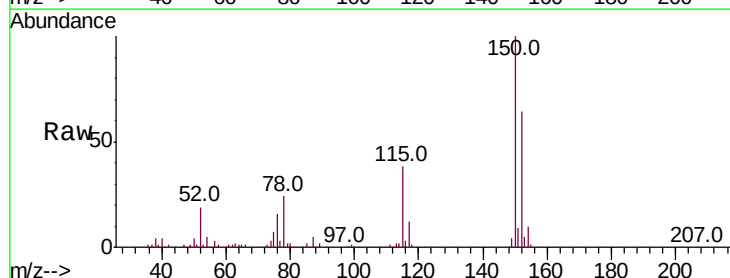
Instrument :
MSVOA_N
ClientSampled :
IBLK

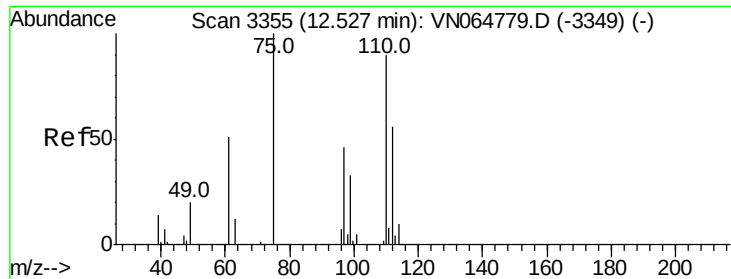
Tot Ion:117 Resp: 322226
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064903.D
Acq: 3 Dec 2020 17:02

Tgt Ion:152 Resp: 141153
Ion Ratio Lower Upper
152 100
115 59.2 29.7 89.1
150 158.7 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 23.575 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

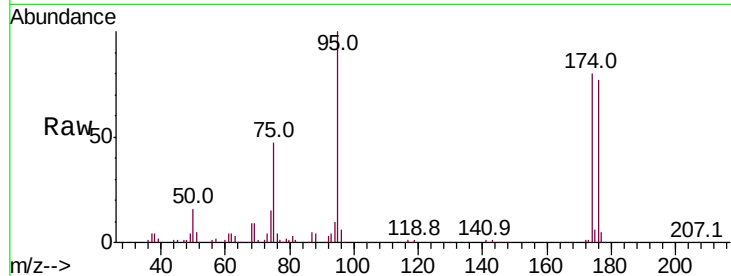
IBLK

Tot Ion: 75 Resp: 71665

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

40000

30000

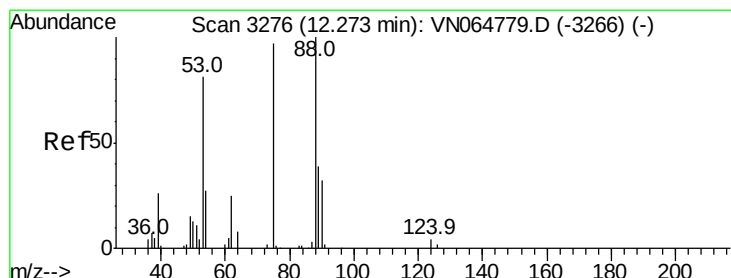
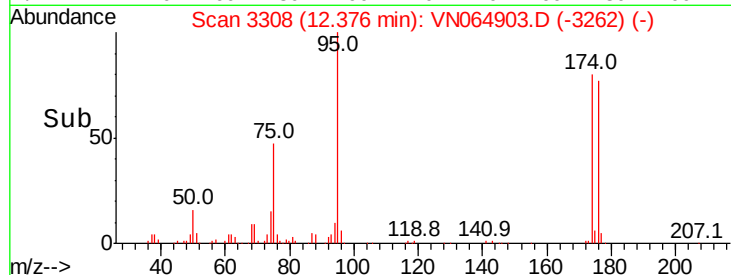
20000

10000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 64.614 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064903.D

Acq: 3 Dec 2020 17:02

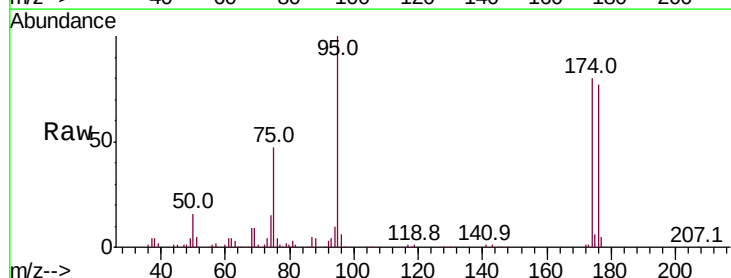
Tgt Ion: 75 Resp: 71665

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

60000

50000

40000

30000

20000

10000

0

Time-->

12.30 12.40

