

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061296.D
 Acq On : 5 May 2020 16:51
 Operator : JC/MD
 Sample : L2514-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:50:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	97656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	177610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	165218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	80989	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
35) Dibromofluoromethane	7.55	113	52917	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.06	98	217669	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.38	95	80988	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

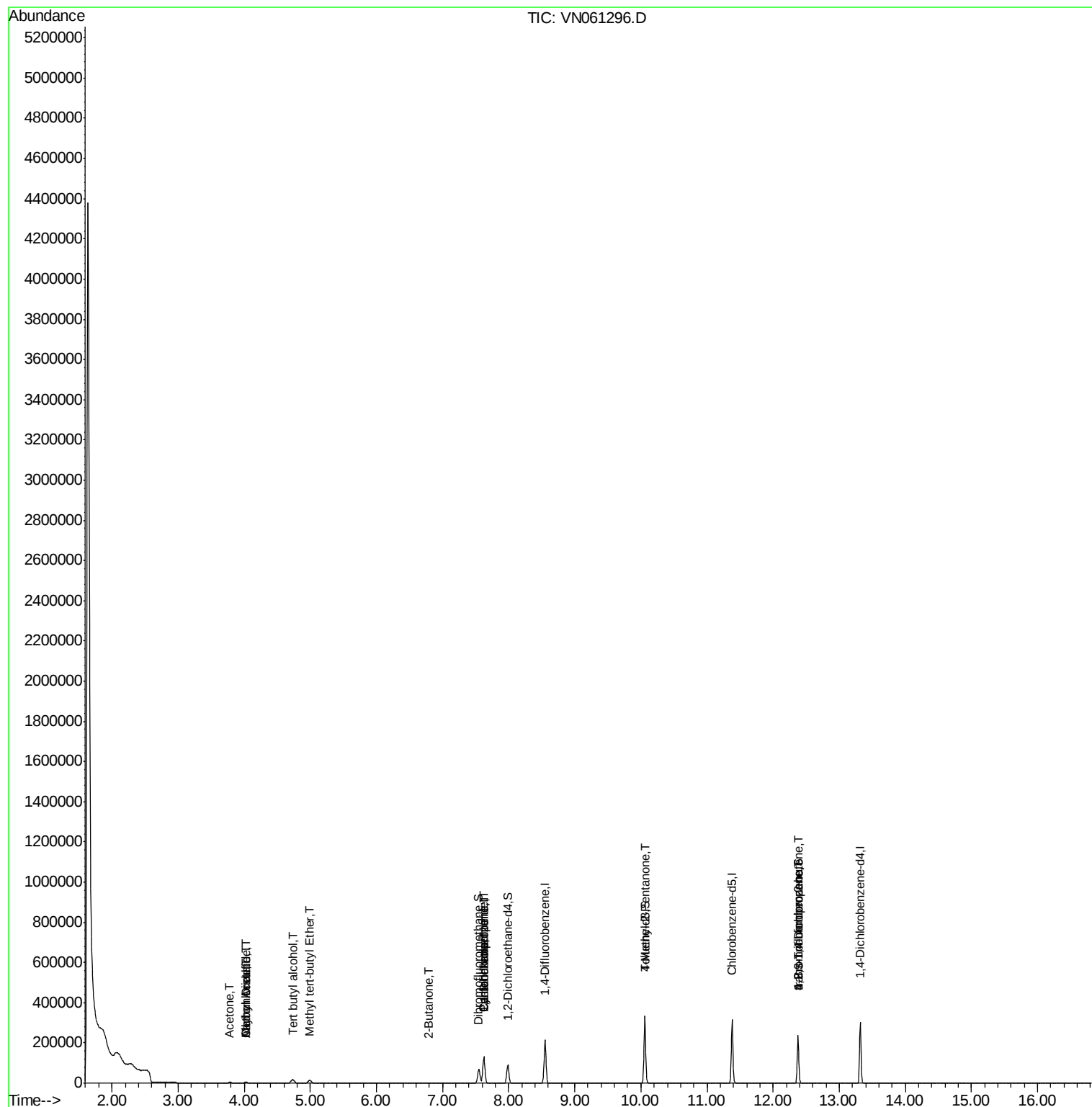
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	31687	153.082	ug/l	99
14) Allyl chloride	4.02	41	824	0.431	ug/l #	52
16) Acetone	3.78	43	8123	8.250	ug/l	94
17) Carbon Disulfide	4.01	76	664	0.233	ug/l #	75
18) Methyl Acetate	4.03	43	2332	1.858	ug/l #	55
19) Methyl tert-butyl Ether	4.99	73	20767	5.275	ug/l	100
25) 2-Butanone	6.79	43	345	0.377	ug/l #	53
31) Cyclohexane	7.63	56	2590	1.152	ug/l #	23
36) 1,1-Dichloropropene	7.62	75	9072	5.102	ug/l #	50
38) Carbon Tetrachloride	7.63	117	10955	8.731	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1102	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	45458	28.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45458	73.498	ug/l #	8

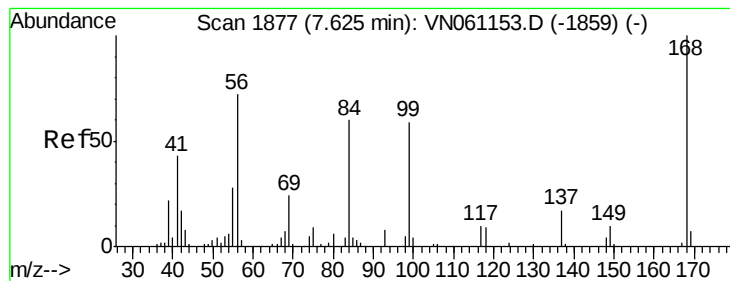
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

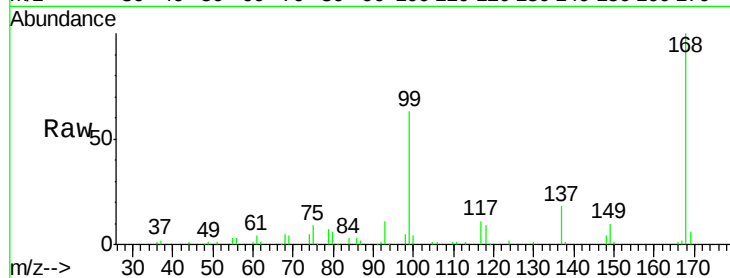
ClientSampleId :

Tot Ion:168 Resp: 97656

Ion Ratio Lower Upper

168 100

99 63.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

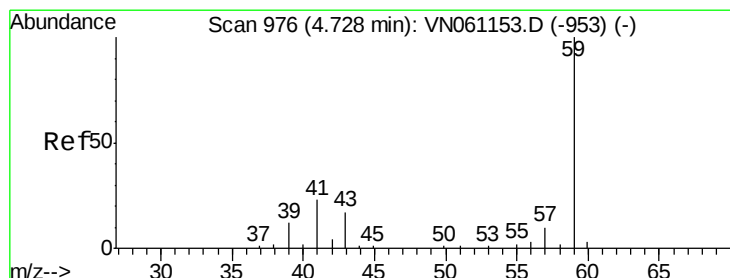
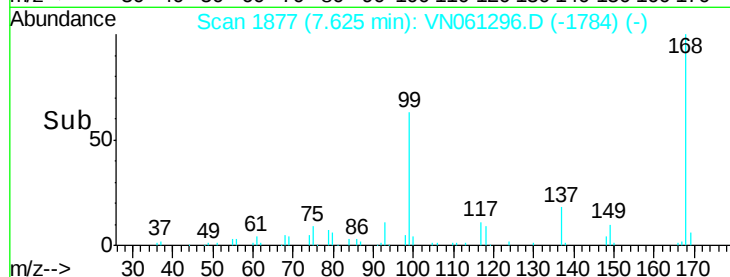
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 153.082 ug/l

RT: 4.73 min Scan# 978

Delta R.T. 0.01 min

Lab File: VN061296.D

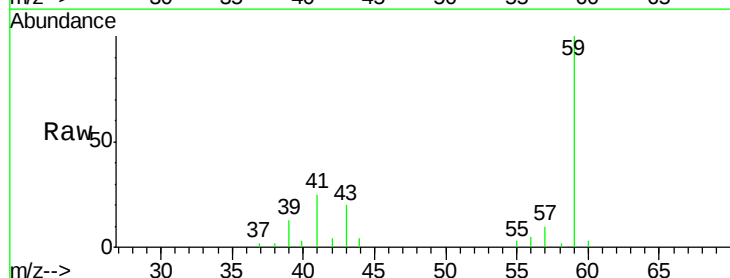
Acq: 5 May 2020 16:51

Tgt Ion: 59 Resp: 31687

Ion Ratio Lower Upper

59 100

57 9.9 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

10000

8000

6000

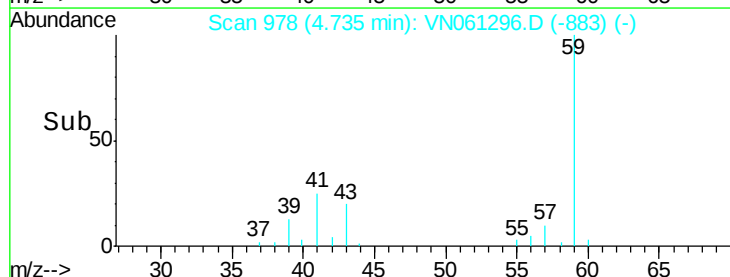
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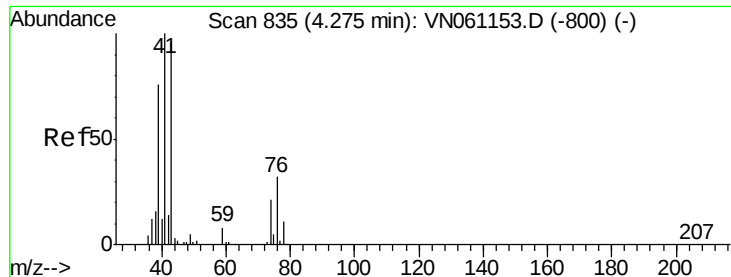
2000

0

4.60 4.70 4.80

Time-->

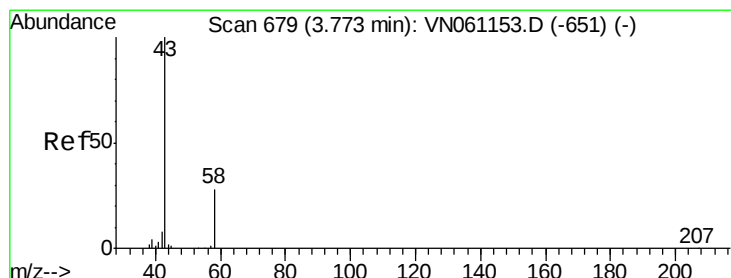
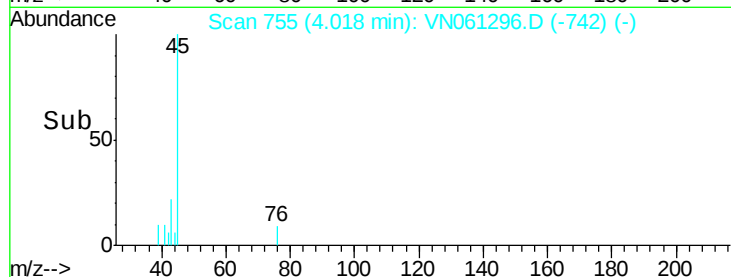
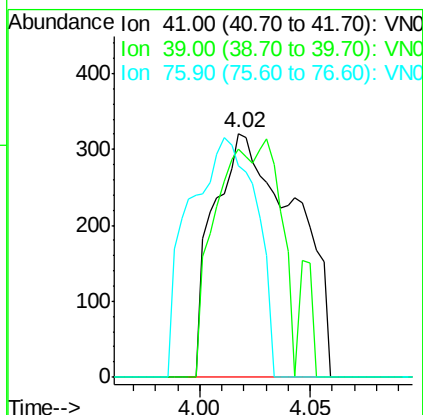
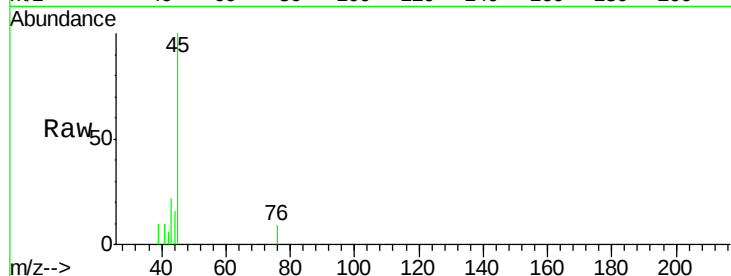




#14
Allvl chloride
Concen: 0.431 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

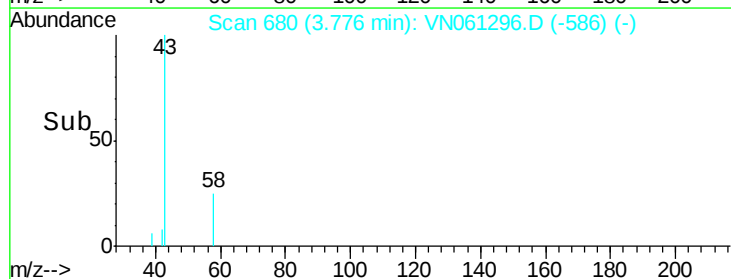
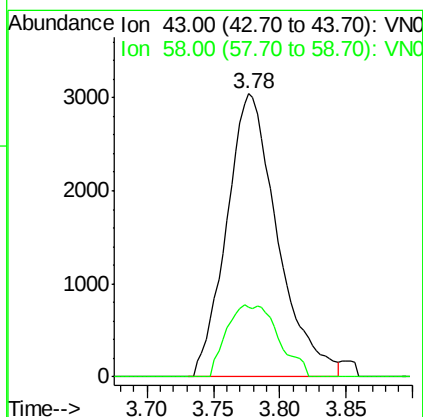
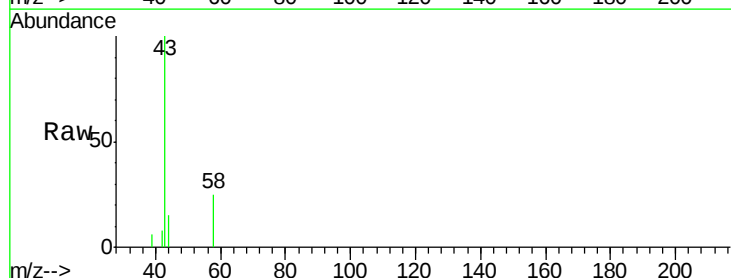
Instrument :
MSVOA_N
ClientSampled :

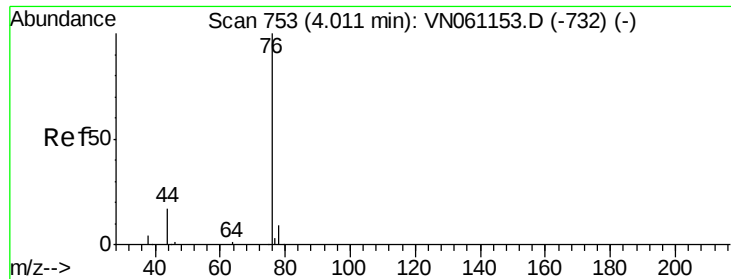
Tot Ion: 41 Resp: 824
Ion Ratio Lower Upper
41 100
39 46.6 57.1 85.7#
76 80.5 24.3 36.5#



#16
Acetone
Concen: 8.250 ug/l
RT: 3.78 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Tgt Ion: 43 Resp: 8123
Ion Ratio Lower Upper
43 100
58 24.8 22.2 33.2





#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

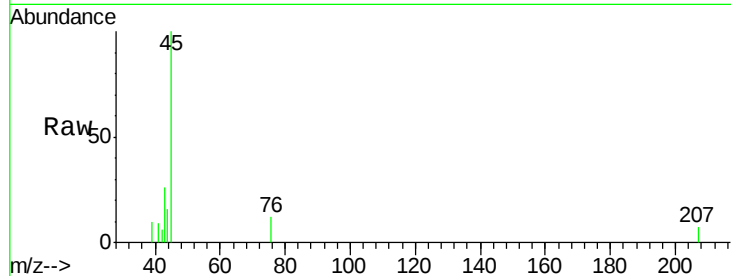
ClientSampled :

Tot Ion: 76 Resp: 664

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

300

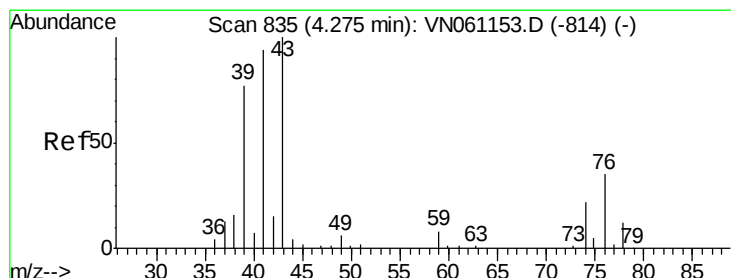
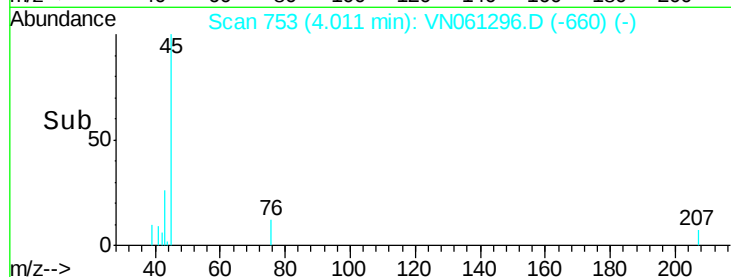
200

100

0

4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 1.858 ug/l

RT: 4.03 min Scan# 758

Delta R.T. -0.25 min

Lab File: VN061296.D

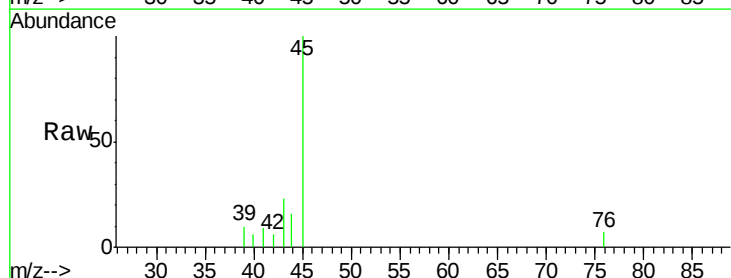
Acq: 5 May 2020 16:51

Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.03

800

600

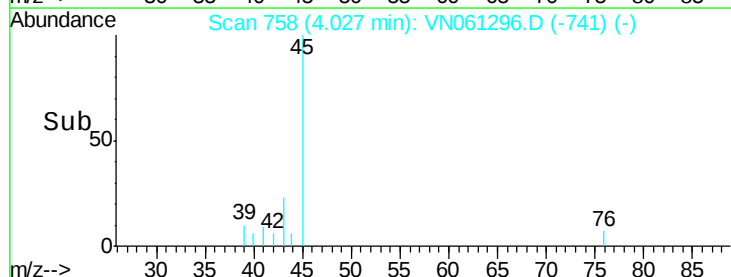
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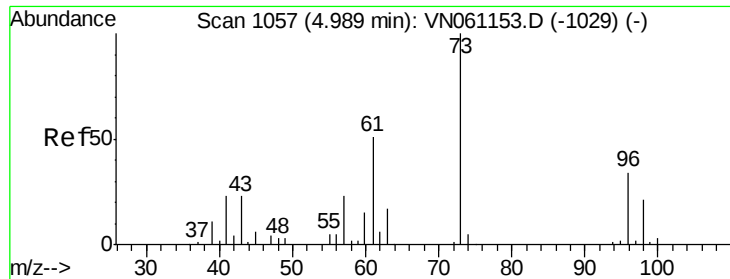
200

0

3.95 4.00 4.05 4.10

Time-->

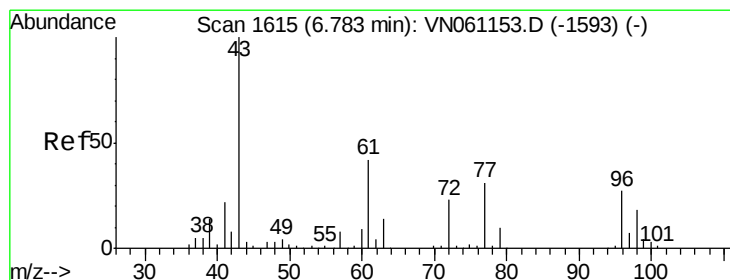
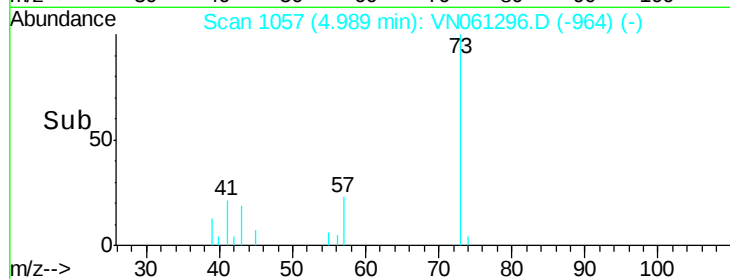
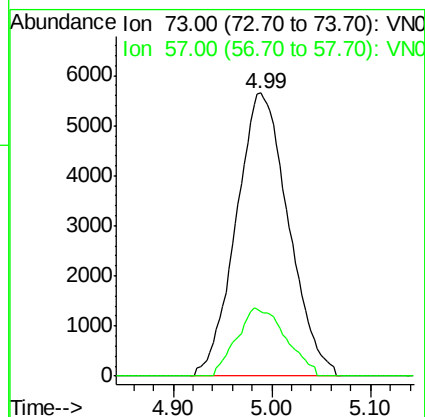
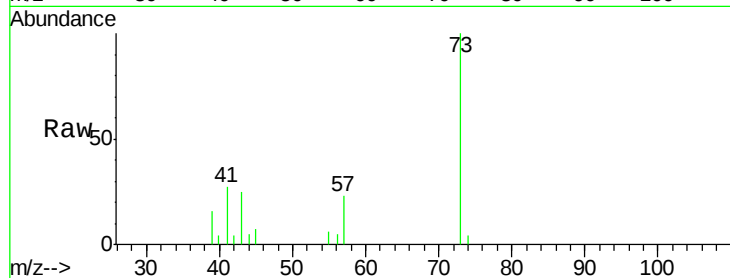




#19
Methvl tert-butvl Ether
Concen: 5.275 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

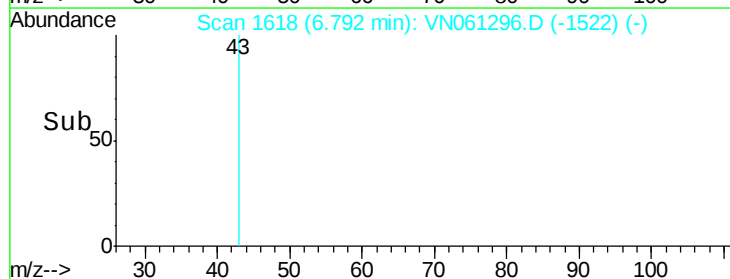
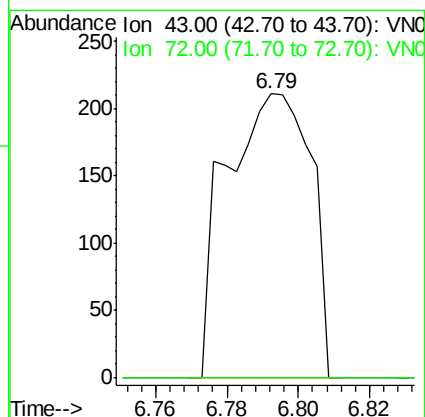
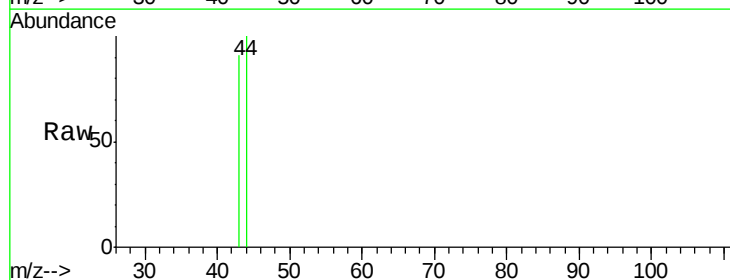
Instrument :
MSVOA_N
ClientSampled :

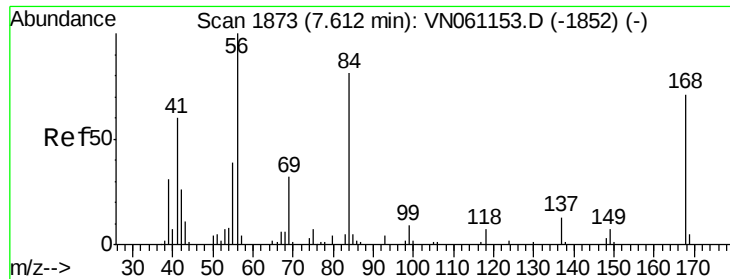
Tot Ion: 73 Resp: 20767
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#25
2-Butanone
Concen: 0.377 ug/l
RT: 6.79 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

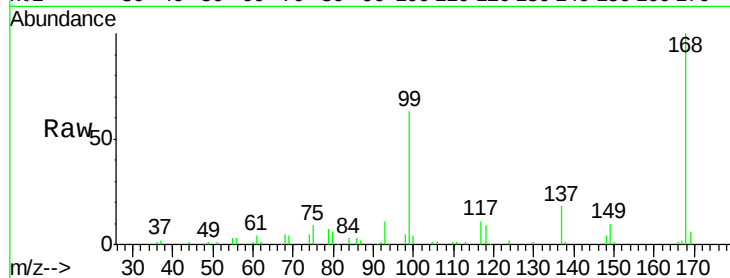




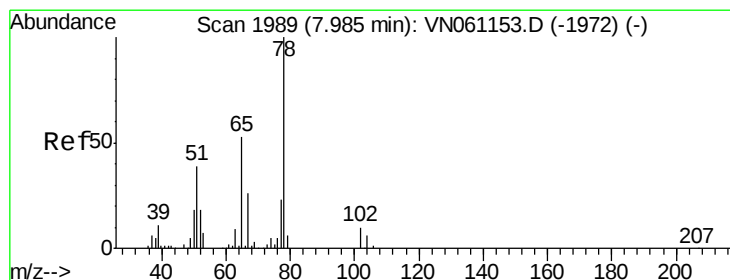
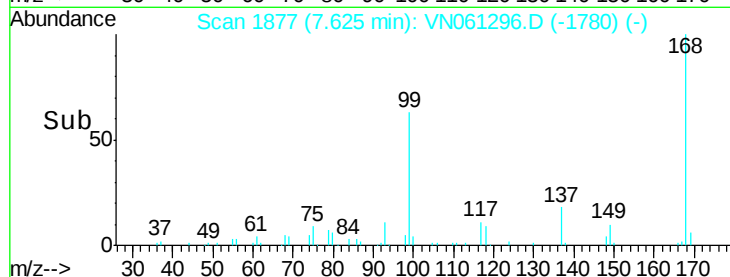
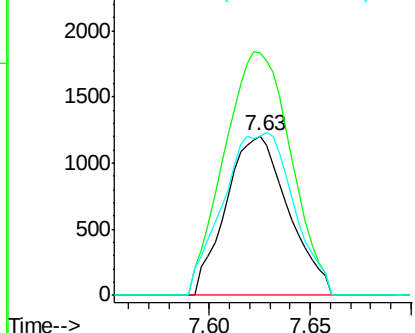
#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 152.6 25.7 38.5#
84 100.3 64.6 97.0#

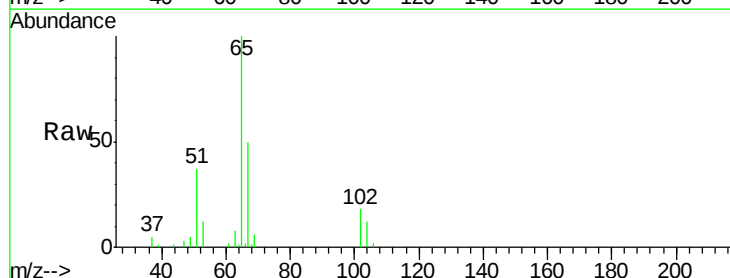


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

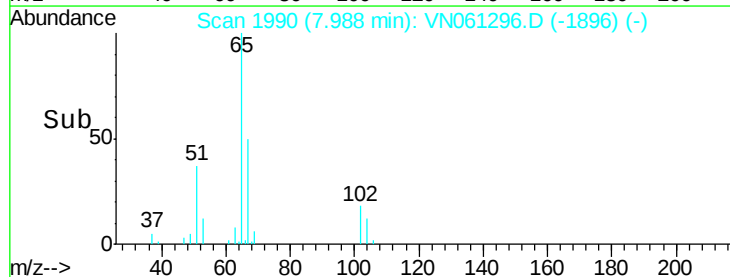
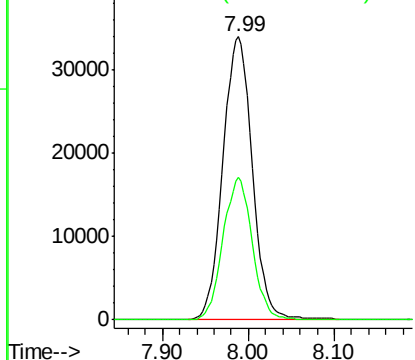


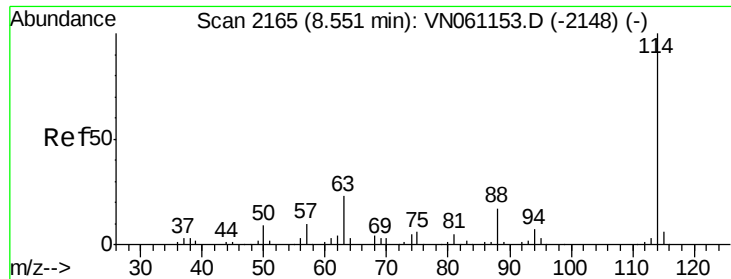
#33
1,2-Dichloroethane-d4
Concen: 52.413 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Tgt Ion: 65 Resp: 80989
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

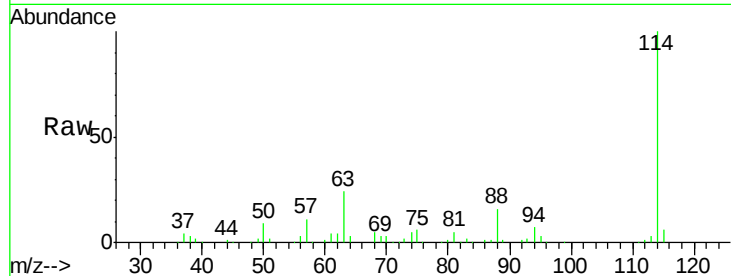




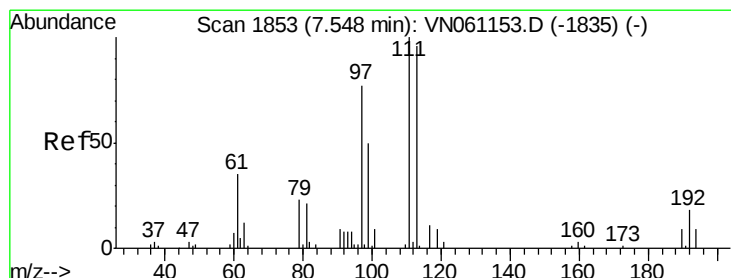
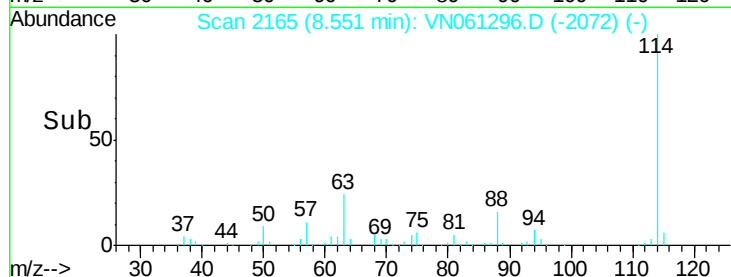
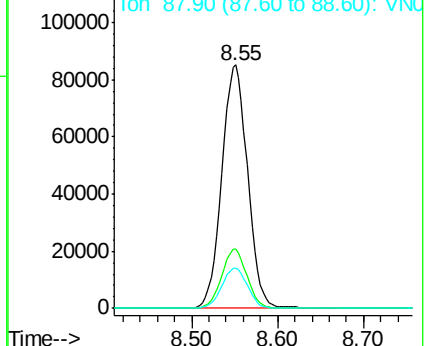
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 177610
Ion Ratio Lower Upper
114 100
63 24.3 0.0 46.6
88 16.4 0.0 33.4

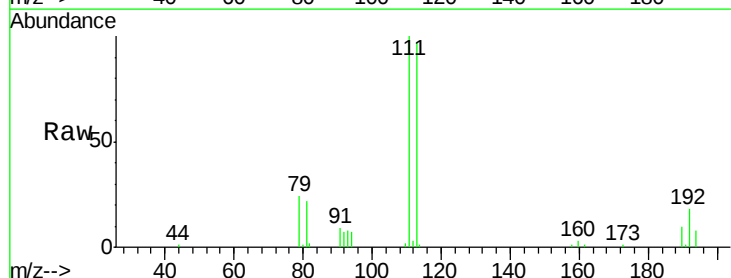


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

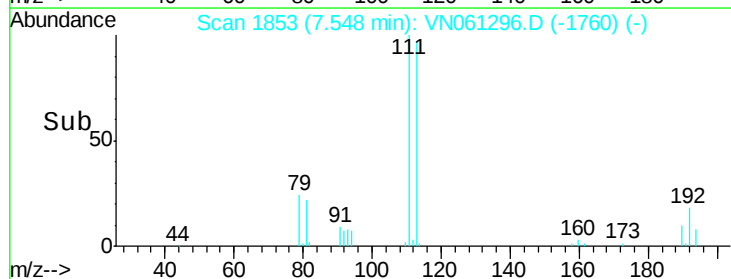
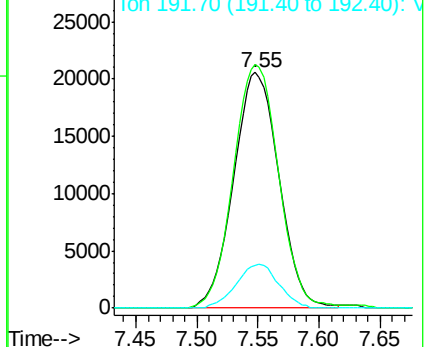


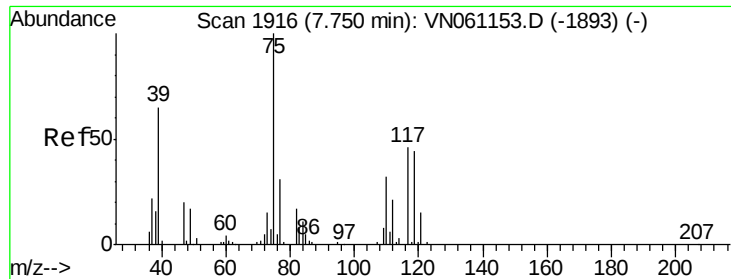
#35
Dibromofluoromethane
Concen: 50.385 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061296.D
Acq: 5 May 2020 16:51

Tgt Ion:113 Resp: 52917
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 17.4 14.7 22.1



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

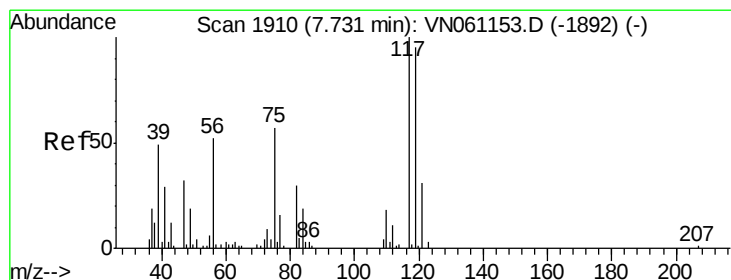
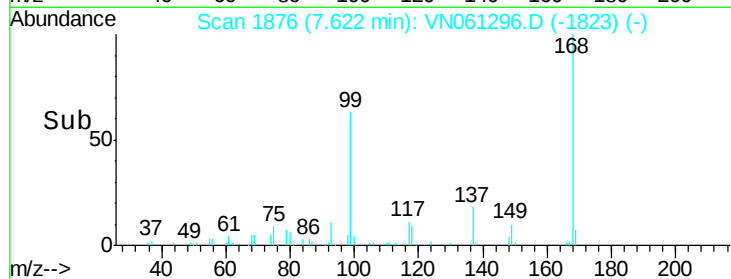
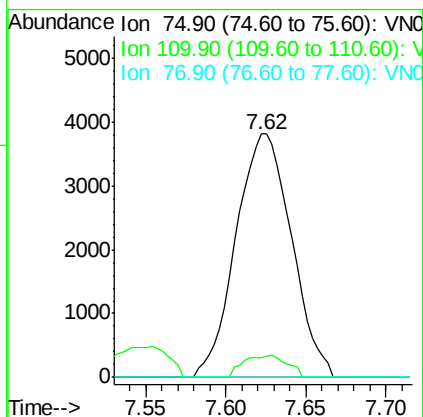
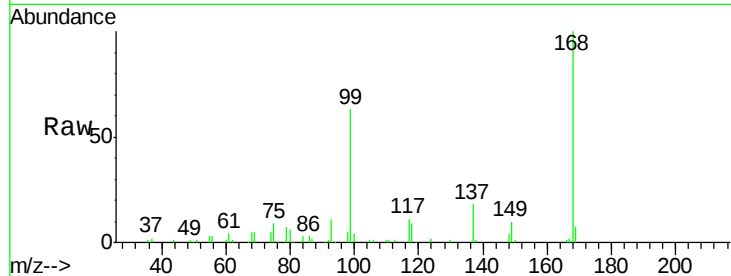




#36
 1,1-Dichloropropene
 Concen: 5.102 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061296.D
 Acq: 5 May 2020 16:51

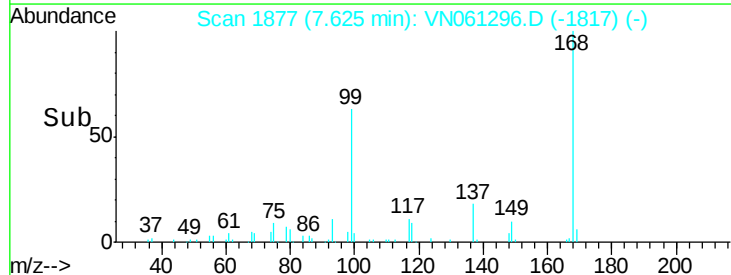
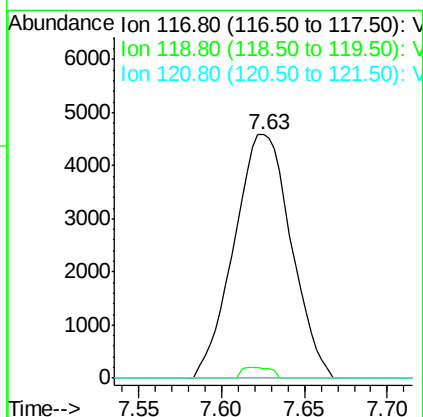
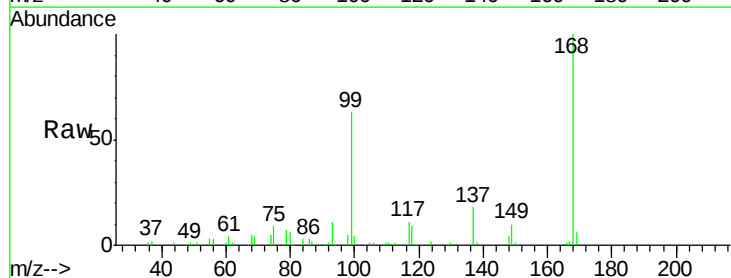
Instrument :
 MSVOA_N
 ClientSampleId :

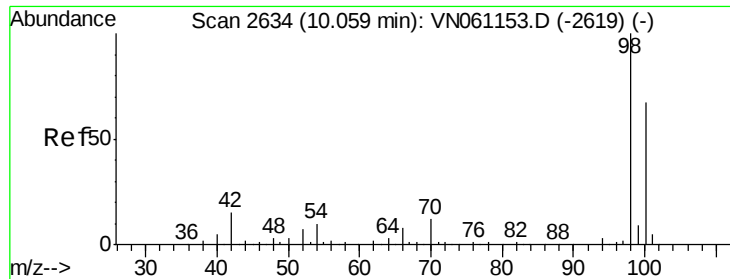
Tot Ion: 75 Resp: 9072
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.731 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061296.D
 Acq: 5 May 2020 16:51

Tgt Ion: 117 Resp: 10955
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 50.841 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

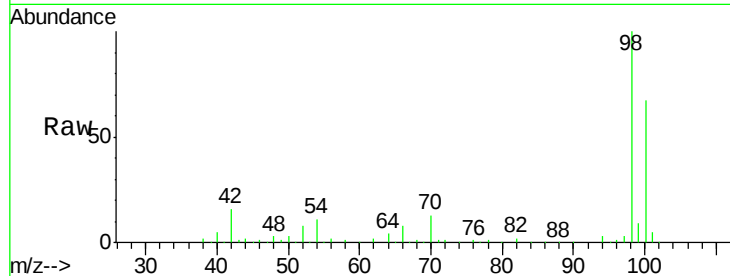
ClientSampleId :

Tot Ion: 98 Resp: 217669

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

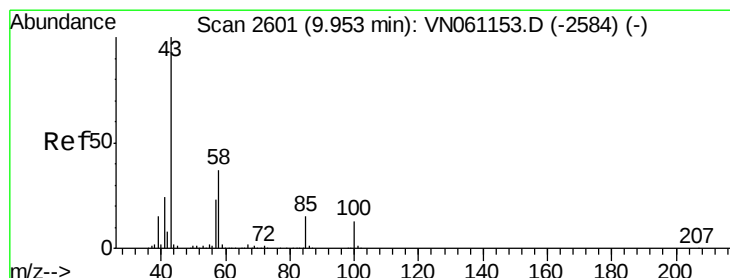
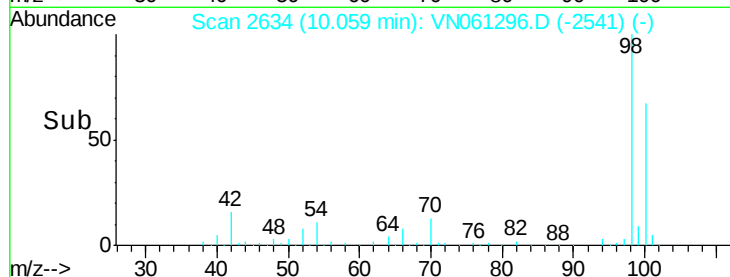
10.06

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061296.D

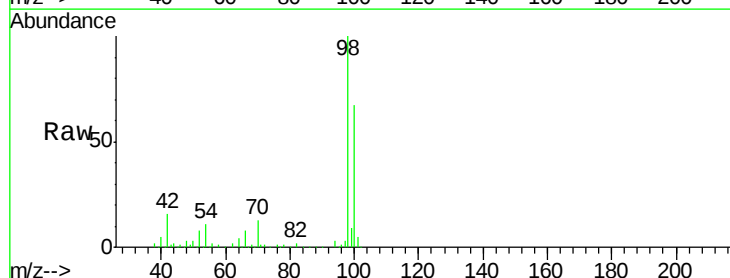
Acq: 5 May 2020 16:51

Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

58 178.7 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

10.06

1200

1000

800

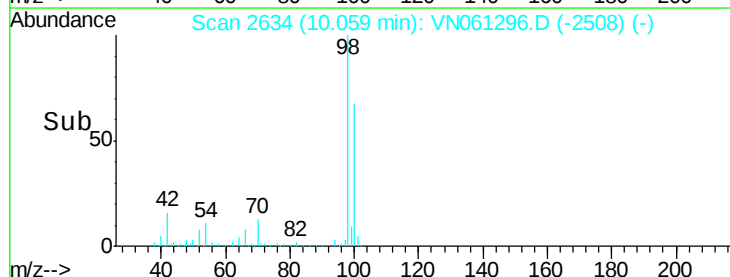
600

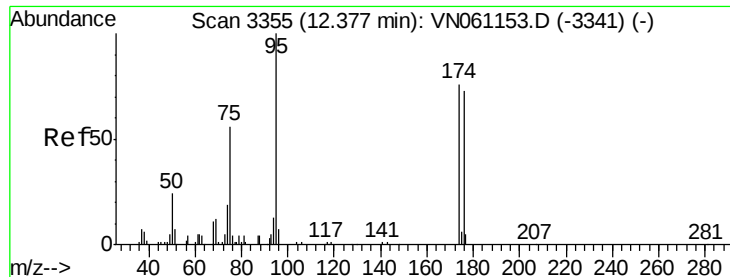
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 50.267 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

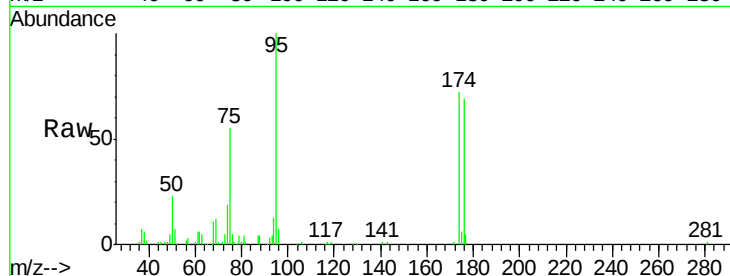
Tot Ion: 95 Resp: 80988

Ion Ratio Lower Upper

95 100

174 72.4 0.0 149.4

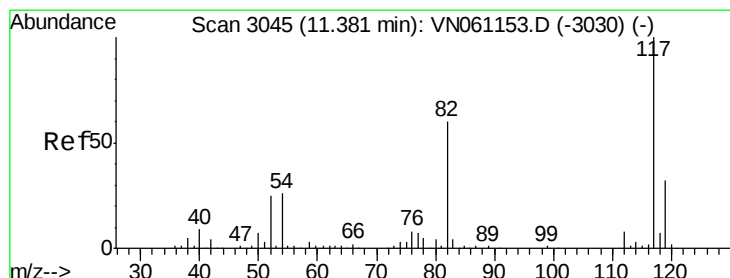
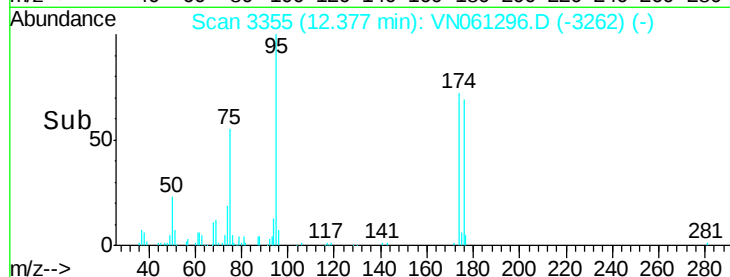
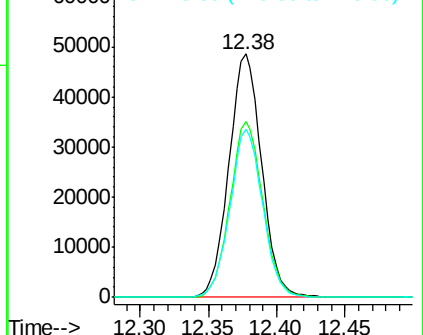
176 68.6 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061296.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061296.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061296.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

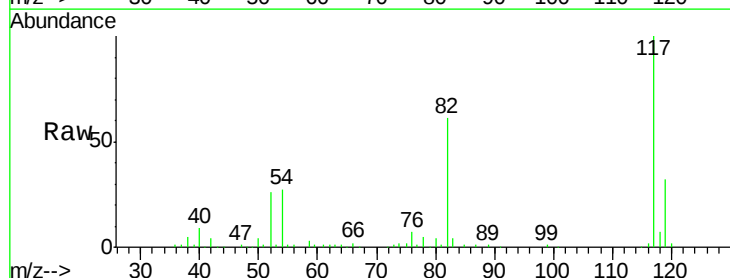
Tgt Ion: 117 Resp: 165218

Ion Ratio Lower Upper

117 100

82 60.8 47.8 71.8

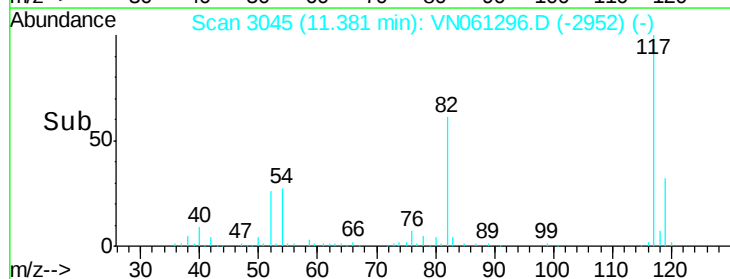
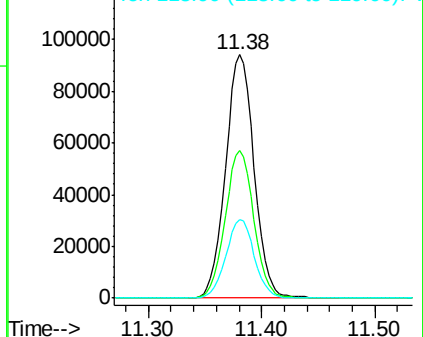
119 32.5 25.8 38.6

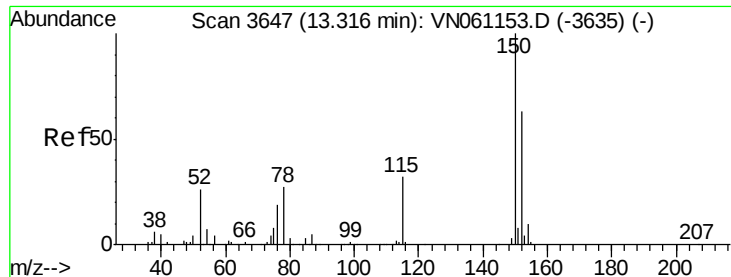


Abundance Ion 116.90 (116.60 to 117.60): VN061296.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061296.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061296.D (-2952) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

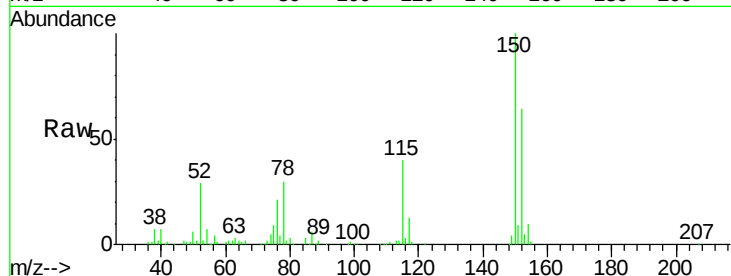
Tot Ion:152 Resp: 74500

Ion Ratio Lower Upper

152 100

115 62.9 31.0 93.0

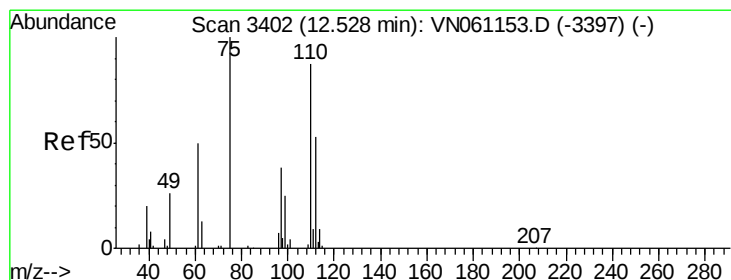
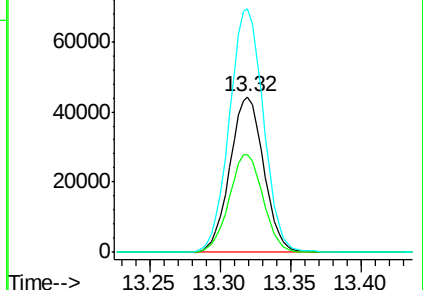
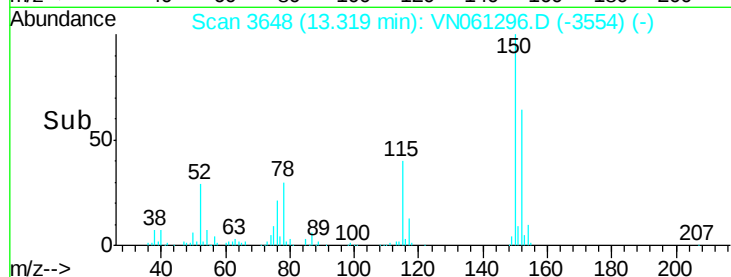
150 157.3 0.0 351.8



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: 28.942 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061296.D

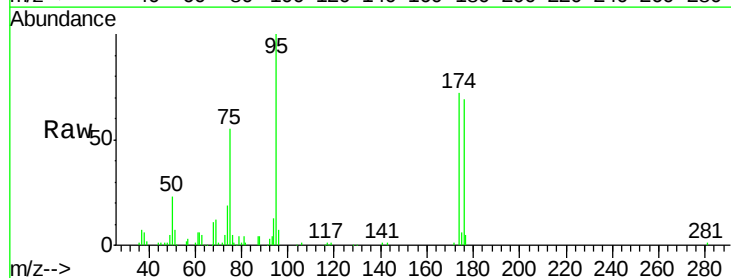
Acq: 5 May 2020 16:51

Tgt Ion: 75 Resp: 45458

Ion Ratio Lower Upper

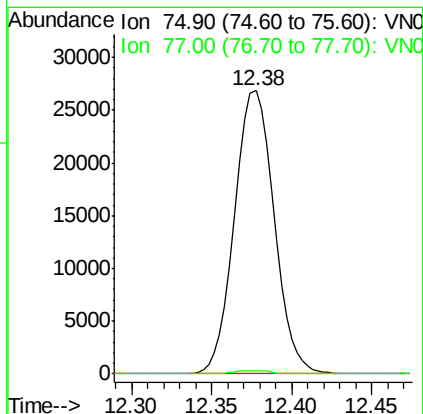
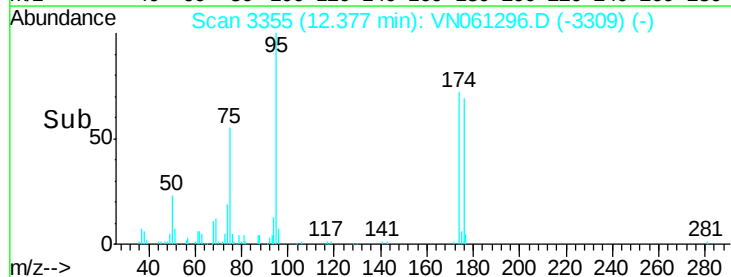
75 100

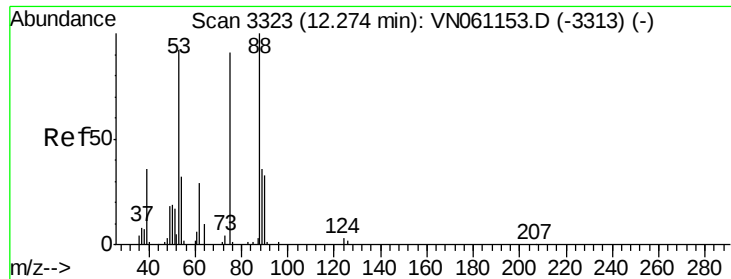
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.498 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 45458

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

