

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062726.D
 Acq On : 3 Aug 2020 11:09
 Operator : JC/MD
 Sample : VN0903MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803MBL01

Quant Time: Aug 04 03:25:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	126723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	218313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	207368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74119	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	105296	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	7.54	113	73886	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.06	98	279358	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.38	95	95974	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

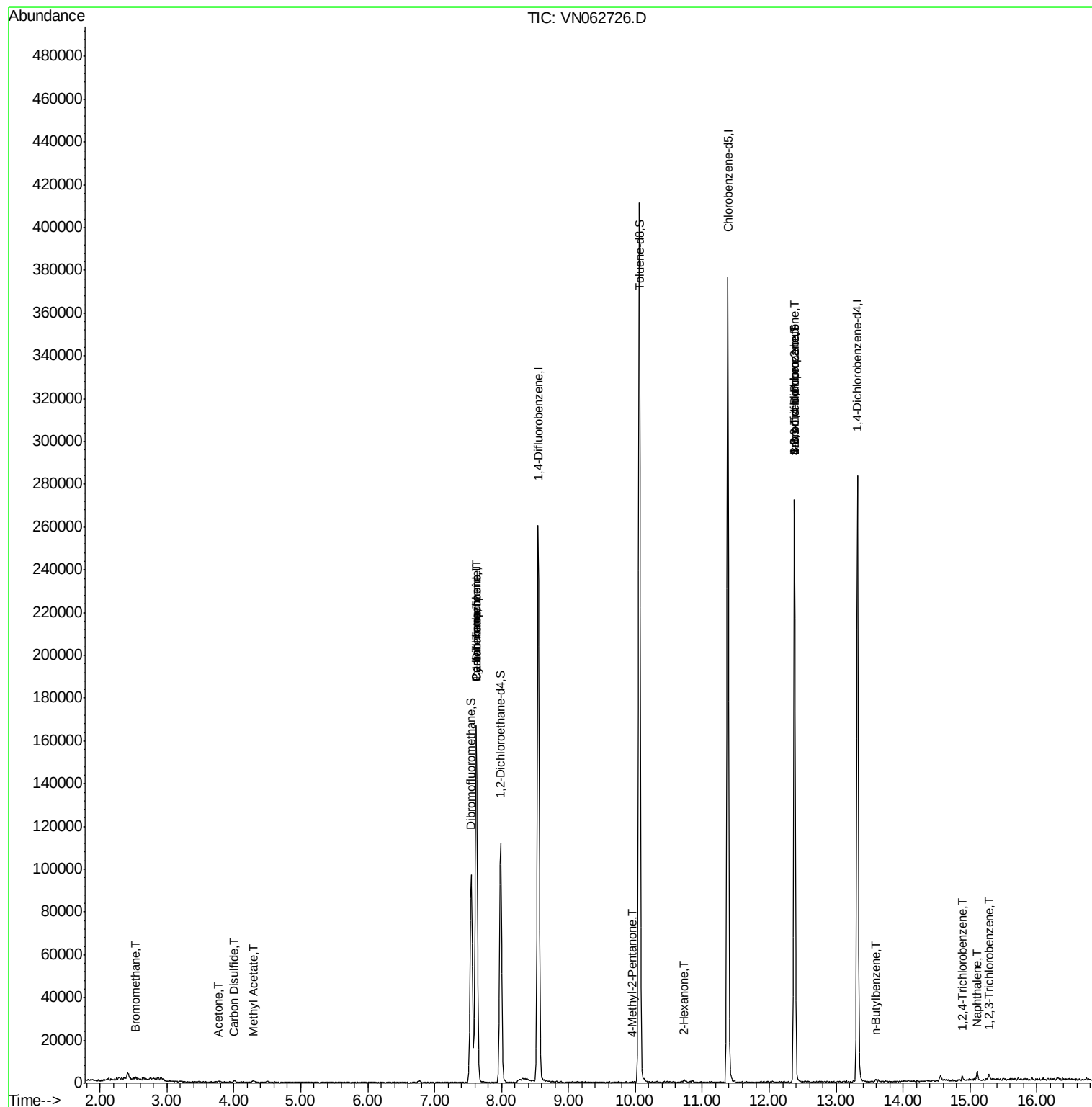
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	242	0.307	ug/l #	59
16) Acetone	3.77	43	339	0.458	ug/l #	44
17) Carbon Disulfide	4.01	76	1333	0.299	ug/l #	75
18) Methyl Acetate	4.29	43	1934	1.031	ug/l #	63
31) Cyclohexane	7.62	56	3206	1.105	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	10943	4.703	ug/l #	51
38) Carbon Tetrachloride	7.62	117	13996	6.257	ug/l #	18
51) 4-Methyl-2-Pentanone	9.96	43	637	0.263	ug/l #	38
59) 2-Hexanone	10.73	43	1363	3.679	ug/l #	59
71) Bromoform	12.37	173	722	0.588	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54373	28.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54373	80.230	ug/l #	12
89) n-Butylbenzene	13.60	91	993	0.249	ug/l #	70
93) 1,2,4-Trichlorobenzene	14.89	180	859	3.752	ug/l	77
94) Hexachlorobutadiene	14.99	225	106	Below Cal	#	54
95) Naphthalene	15.11	128	4162	4.929	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.29	180	1124	1.009	ug/l #	85

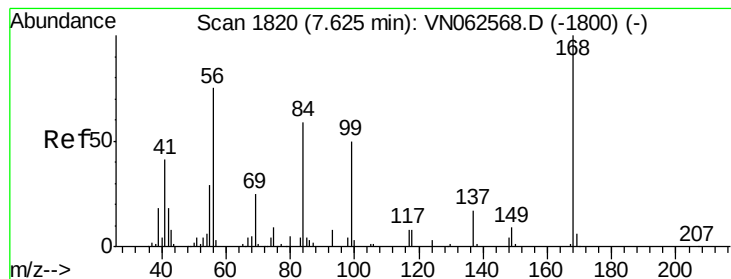
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

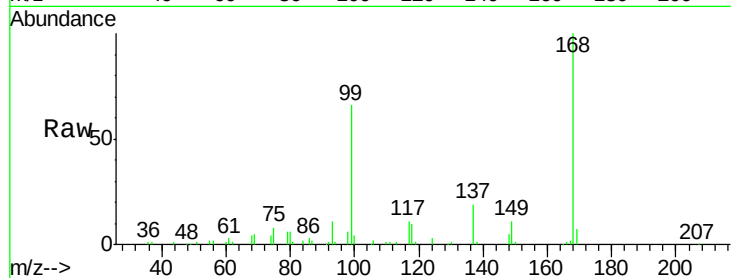
VN0803MBL01

Tot Ion:168 Resp: 126723

Ion Ratio Lower Upper

168 100

99 66.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

60000

50000

40000

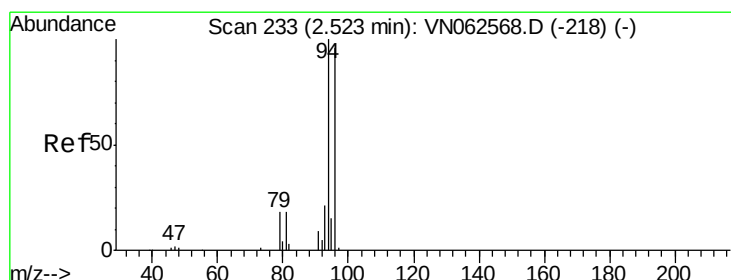
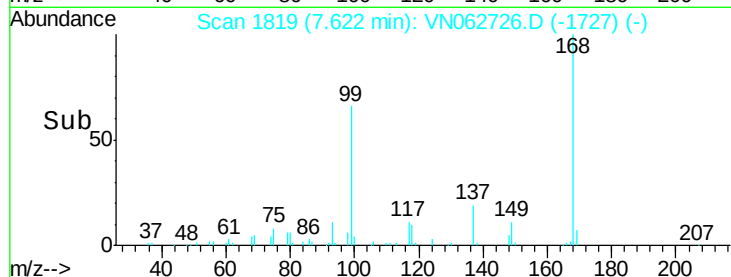
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.307 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062726.D

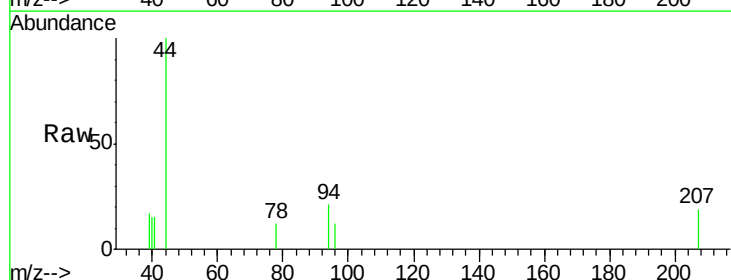
Acq: 3 Aug 2020 11:09

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

94 100

96 56.2 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

300

250

200

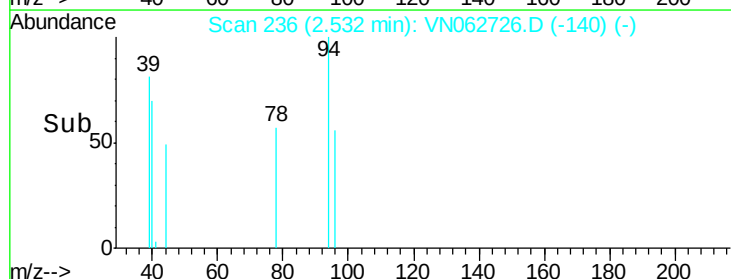
150

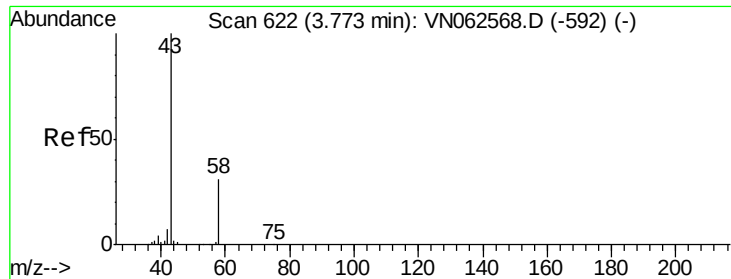
100

50

0

Time--> 2.52 2.54 2.56





#16

Acetone

Concen: 0.458 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

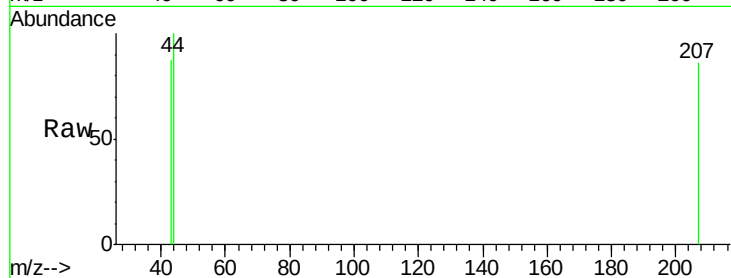
VN0803MBL01

Tot Ion: 43 Resp: 339

Ion Ratio Lower Upper

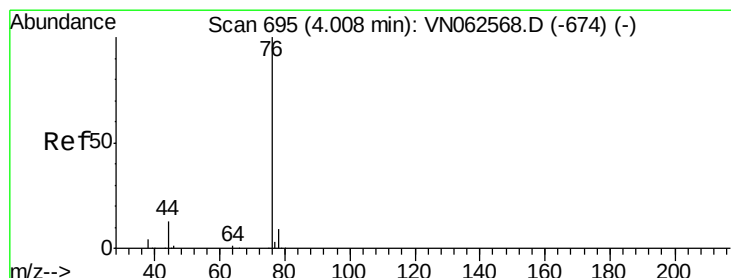
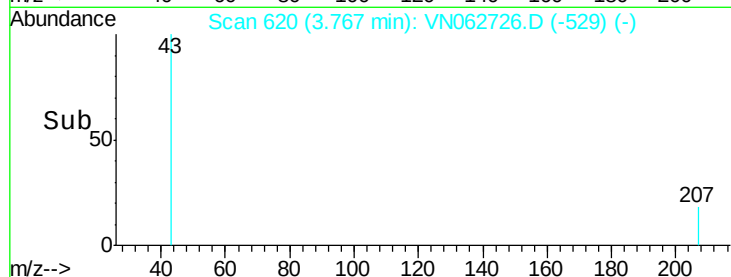
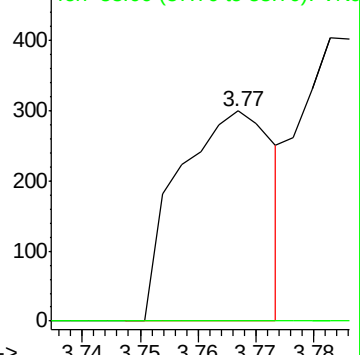
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062726.D

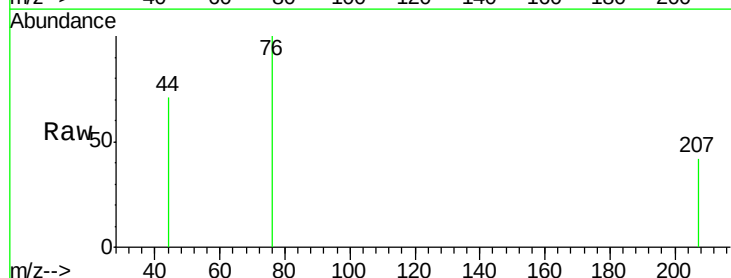
Acq: 3 Aug 2020 11:09

Tgt Ion: 76 Resp: 1333

Ion Ratio Lower Upper

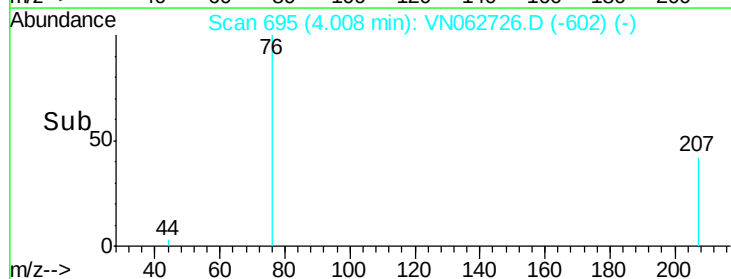
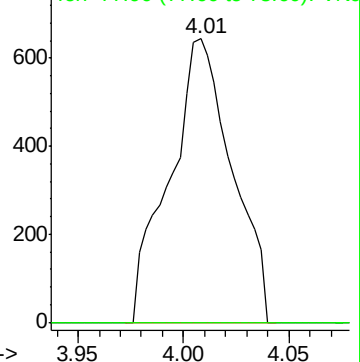
76 100

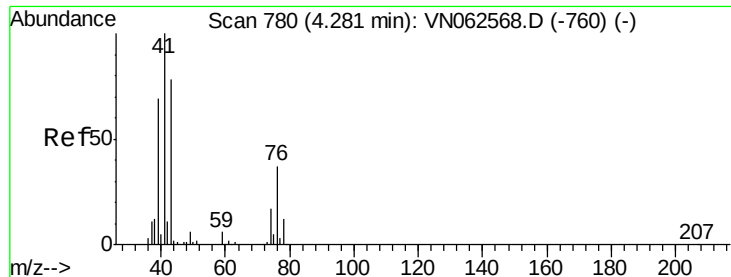
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

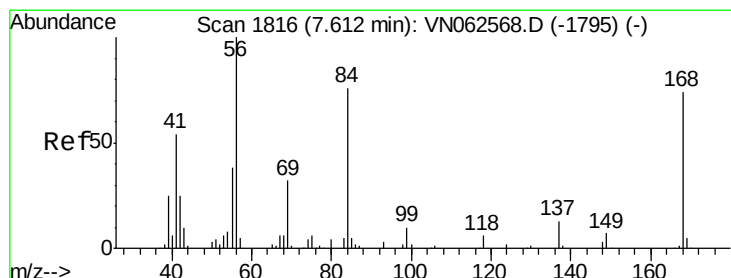
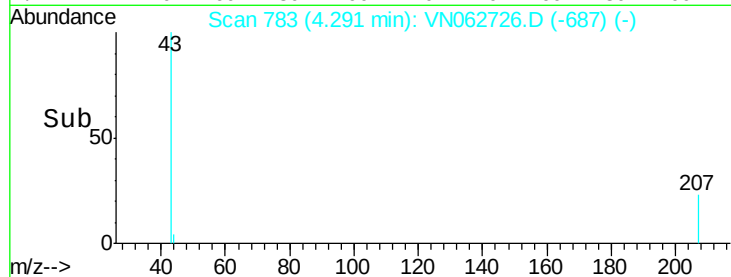
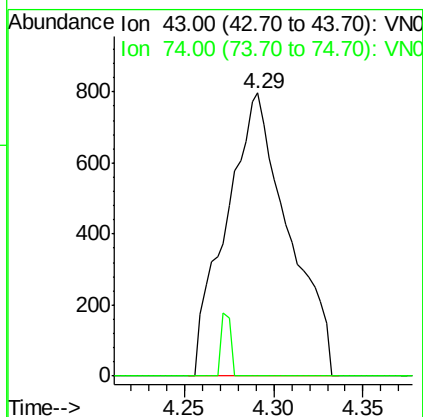
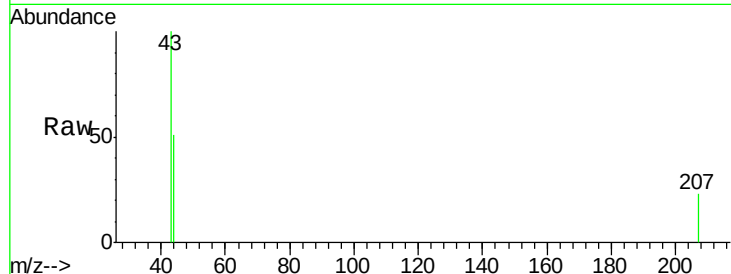




#18
Methvl Acetate
Concen: 1.031 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

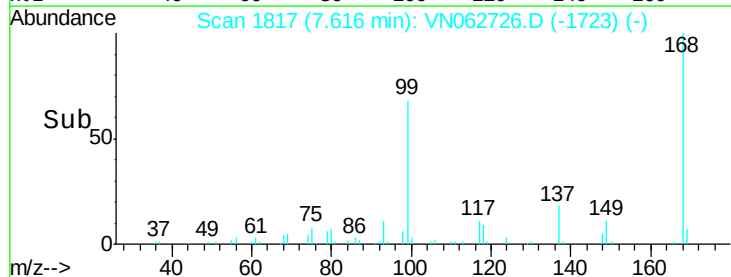
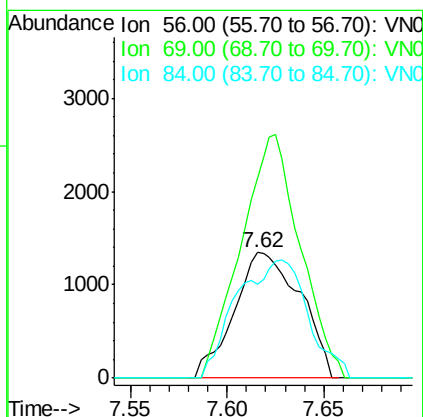
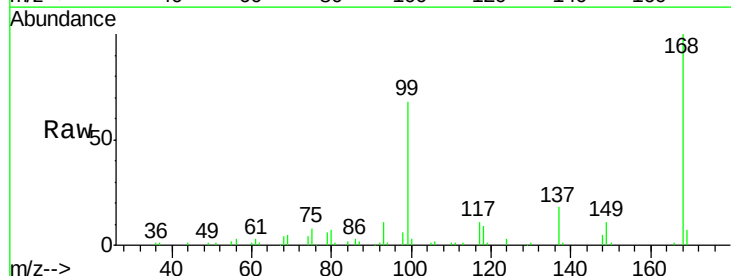
Instrument :
MSVOA_N
ClientSampleId :
VN0803MBL01

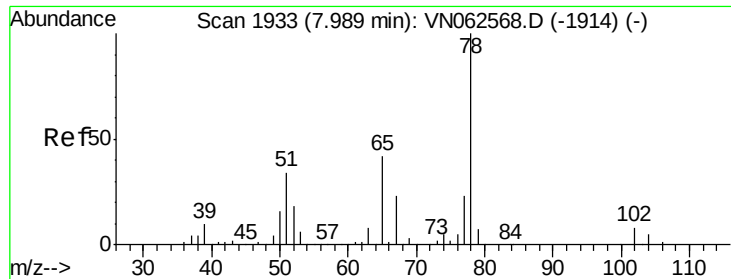
Tot Ion: 43 Resp: 1934
Ion Ratio Lower Upper
43 100
74 3.4 16.6 24.8#



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

Tgt Ion: 56 Resp: 3206
Ion Ratio Lower Upper
56 100
69 159.5 25.3 37.9#
84 75.0 61.0 91.4

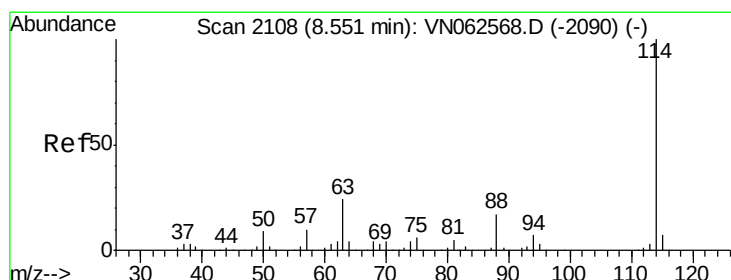
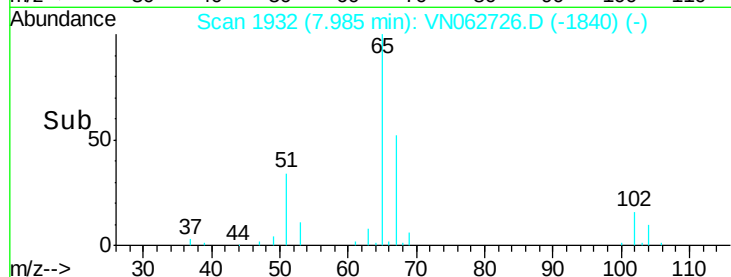
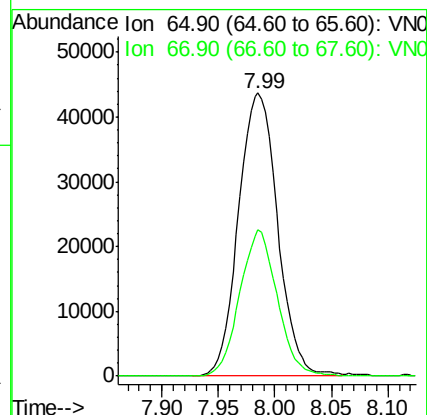
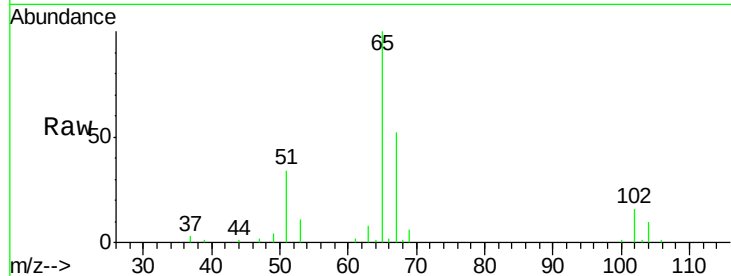




#33
 1,2-Dichloroethane-d4
 Concen: 53.488 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

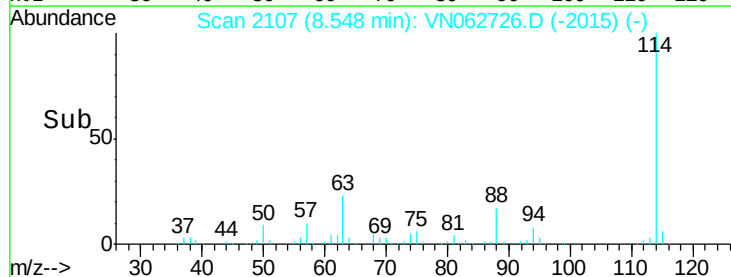
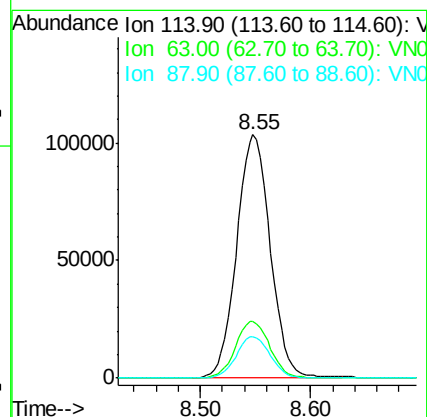
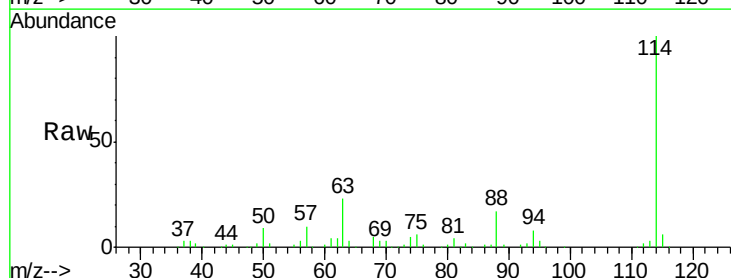
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803MBL01

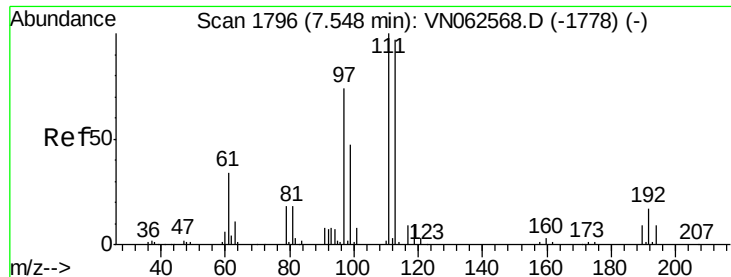
Tot Ion: 65 Resp: 105296
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Tgt Ion: 114 Resp: 218313
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.4
 88 17.1 0.0 33.8

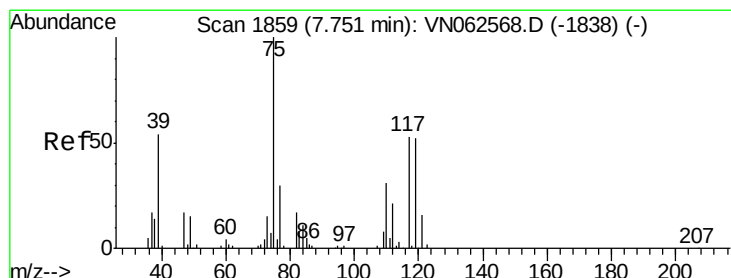
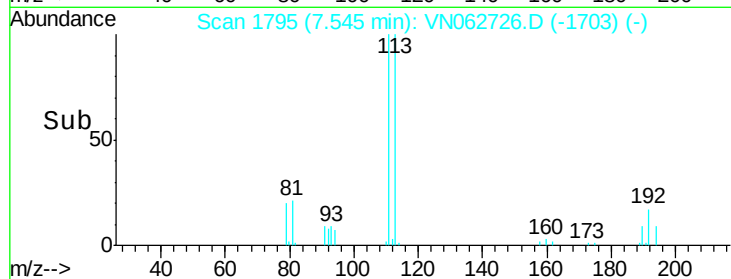
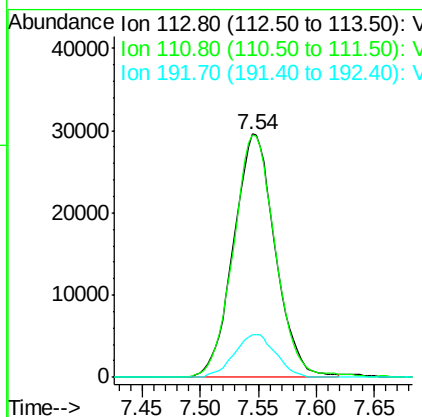
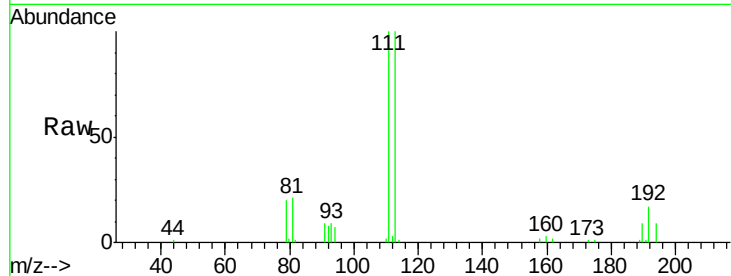




#35
 Dibromofluoromethane
 Concen: 51.524 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

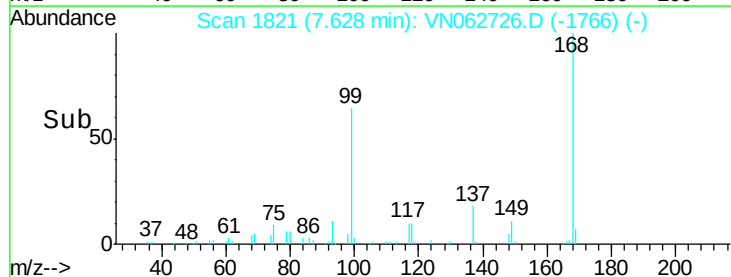
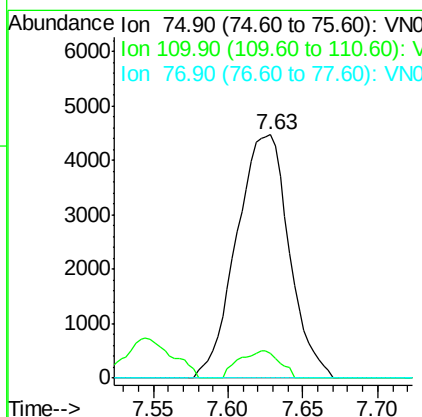
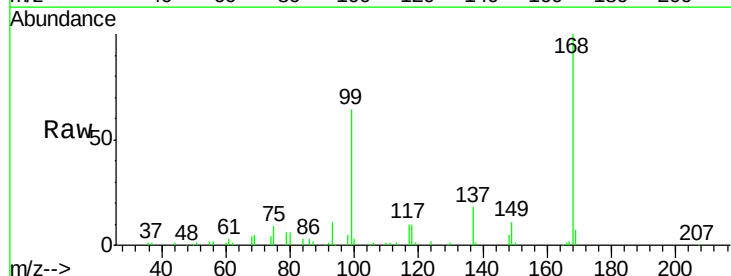
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 ClientSampleId :
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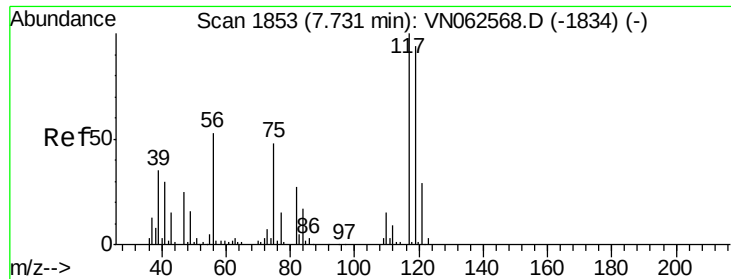
Tot Ion:113 Resp: 73886
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.7 124.1
 192 17.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Tgt Ion: 75 Resp: 10943
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0803MBL01

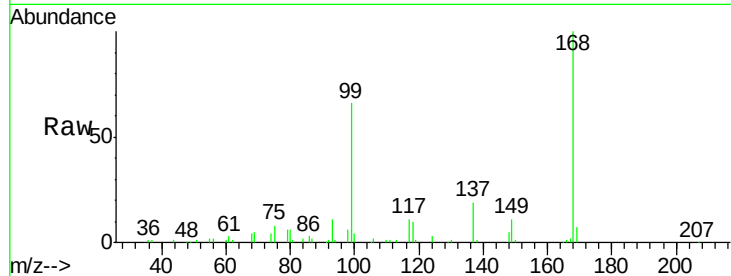
Tot Ion:117 Resp: 13996

Ion Ratio Lower Upper

117 100

119 5.7 74.8 112.2#

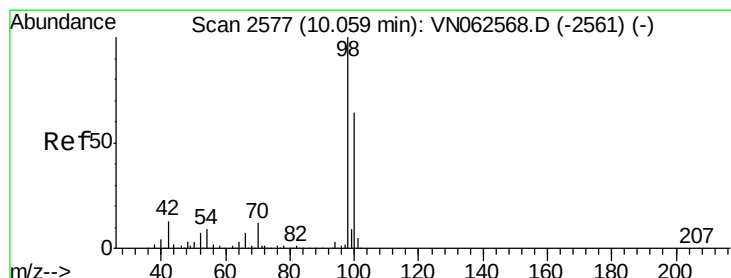
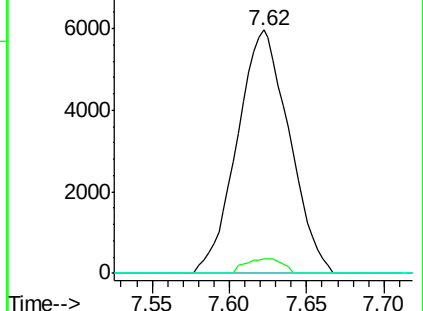
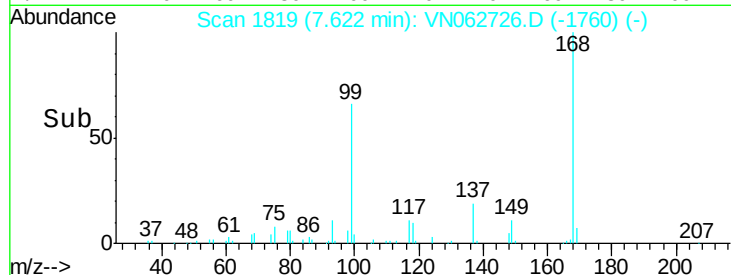
121 0.0 23.0 34.6#



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



#50

Toluene-d8

Concen: 48.825 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062726.D

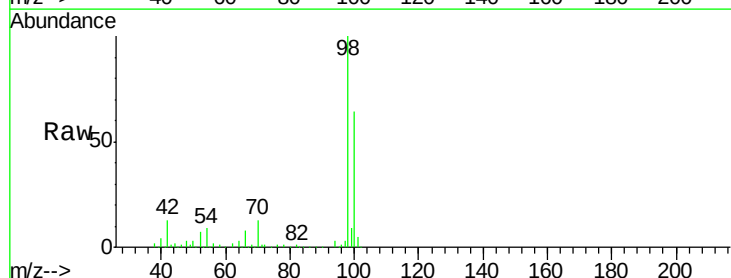
Acq: 3 Aug 2020 11:09

Tgt Ion: 98 Resp: 279358

Ion Ratio Lower Upper

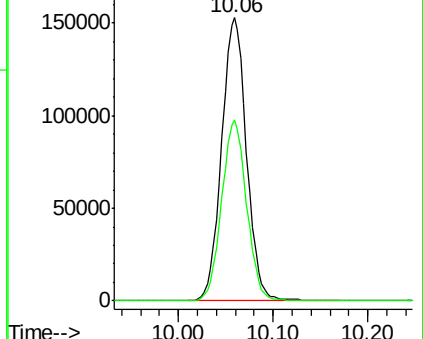
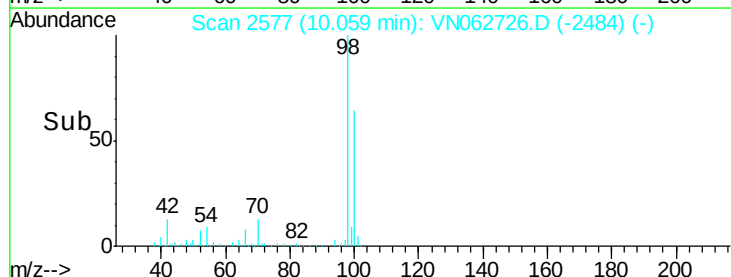
98 100

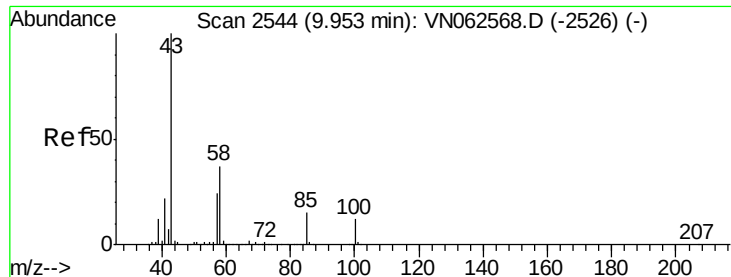
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

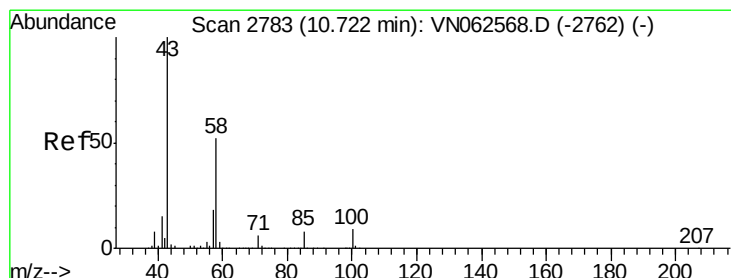
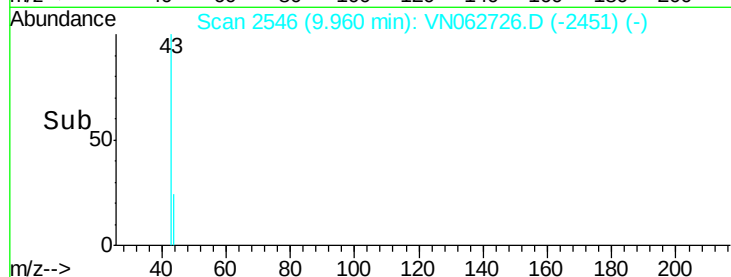
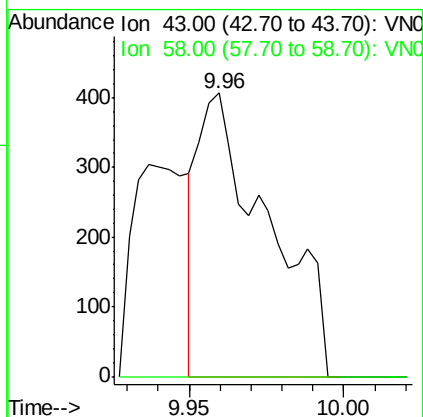
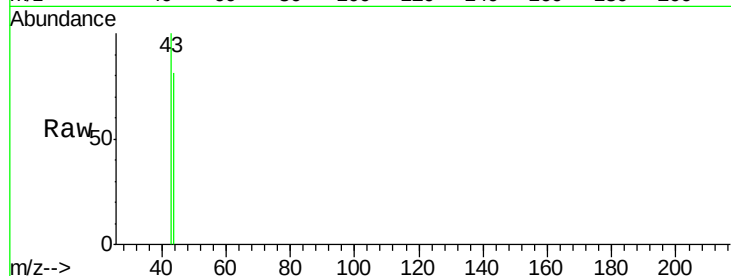




#51
4-Methyl-2-Pentanone
Concen: 0.263 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

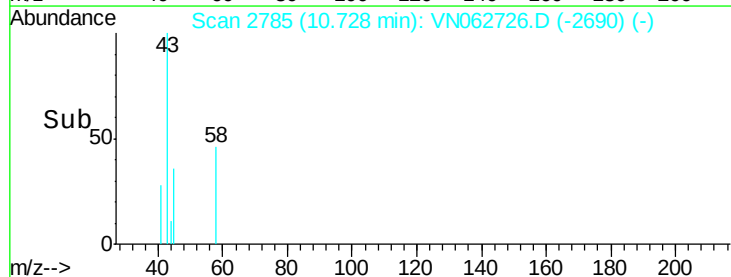
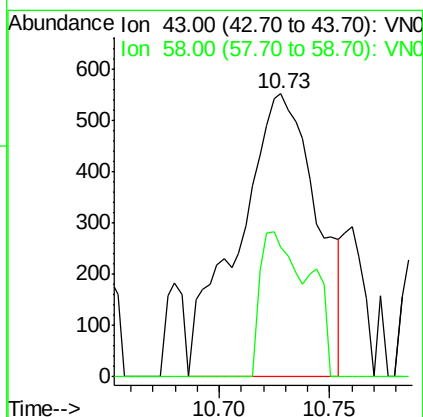
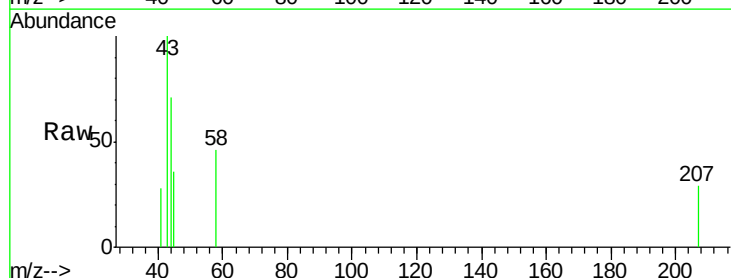
Instrument :
MSVOA_N
ClientSampleId :
VN0803MBL01

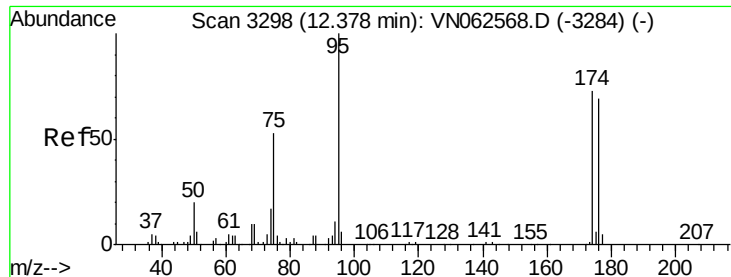
Tot Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#



#59
2-Hexanone
Concen: 3.679 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
58 23.3 26.0 78.0#

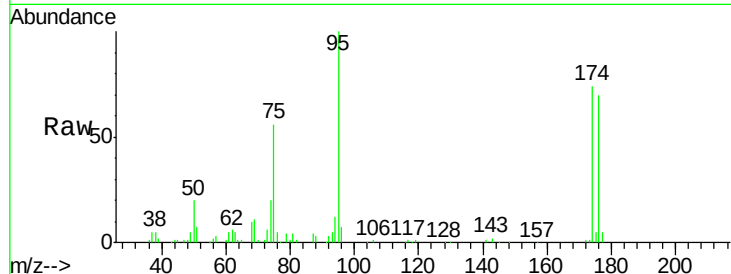




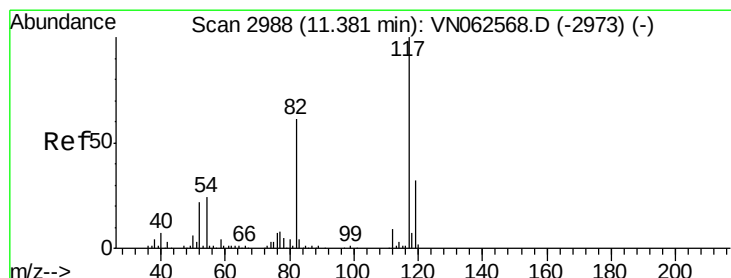
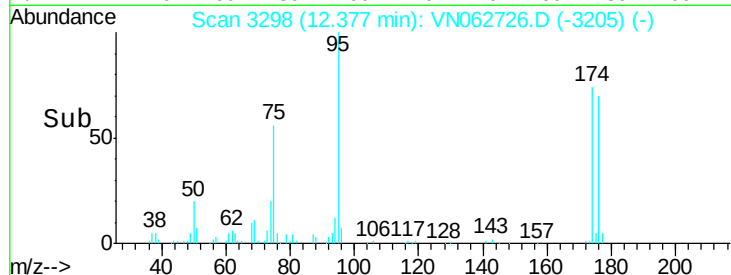
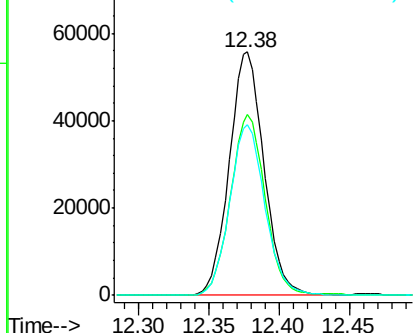
#62
 4-Bromofluorobenzene
 Concen: 45.876 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803MBL01

Tot Ion: 95 Resp: 95974
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 144.6
 176 71.3 0.0 139.4

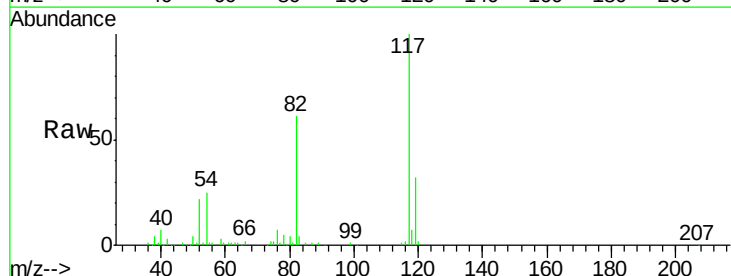


Abundance Ion 94.90 (94.60 to 95.60): VN062726.D (-3205) (-)
 Ion 173.80 (173.50 to 174.50): VN062726.D (-3205) (-)
 Ion 175.80 (175.50 to 176.50): VN062726.D (-3205) (-)

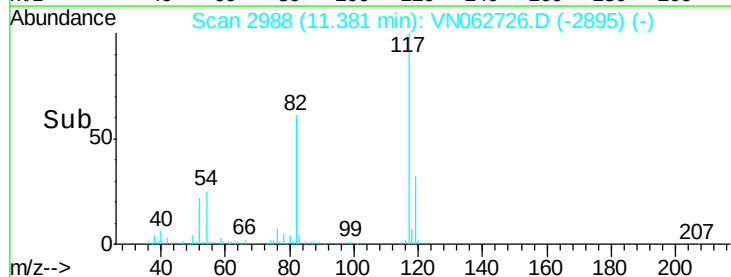
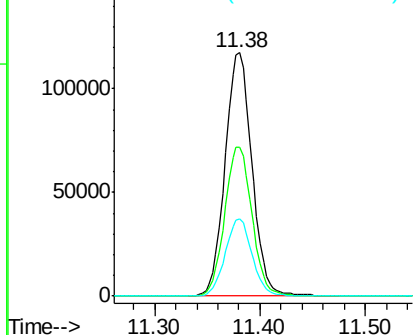


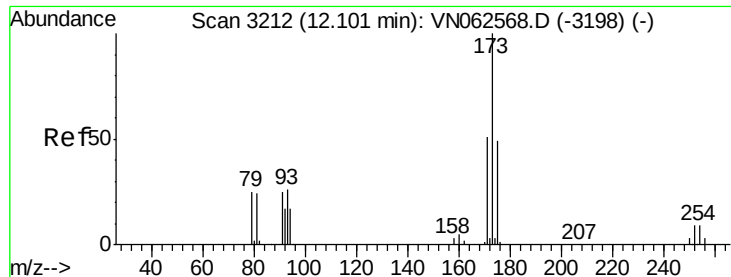
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Tgt Ion: 117 Resp: 207368
 Ion Ratio Lower Upper
 117 100
 82 61.2 49.0 73.6
 119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062726.D (-2895) (-)
 Ion 82.00 (81.70 to 82.70): VN062726.D (-2895) (-)
 Ion 118.90 (118.60 to 119.60): VN062726.D (-2895) (-)





#71

Bromoform

Concen: 0.588 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0803MBL01

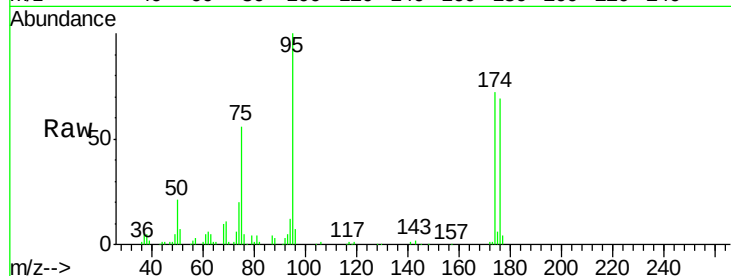
Tot Ion:173 Resp: 722

Ion Ratio Lower Upper

173 100

175 635.5 24.1 72.2#

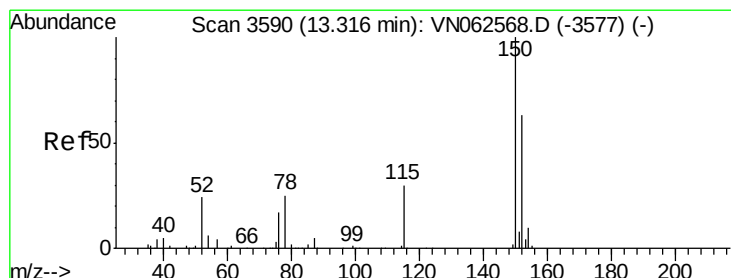
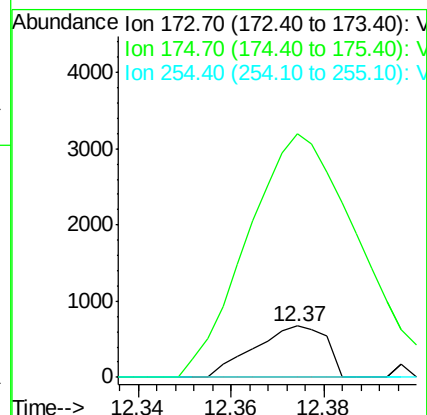
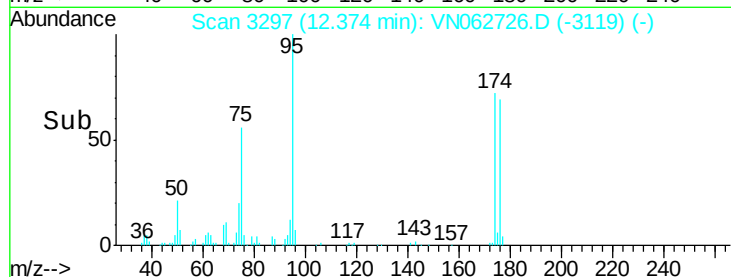
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

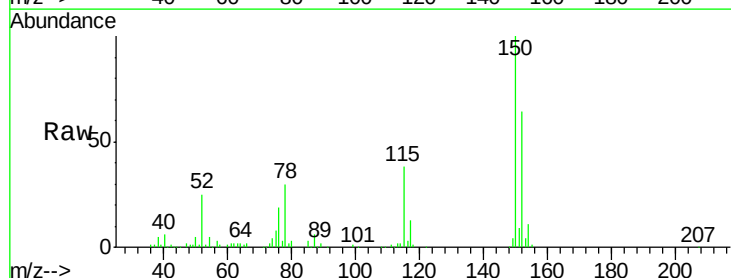
Tgt Ion:152 Resp: 74119

Ion Ratio Lower Upper

152 100

115 62.3 31.8 95.4

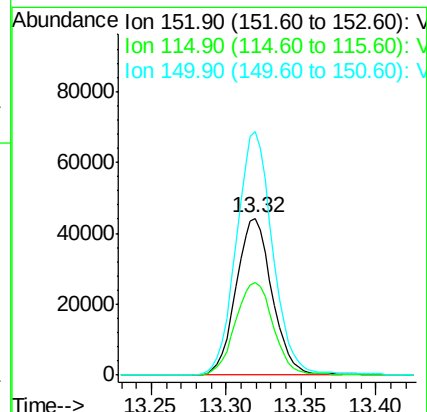
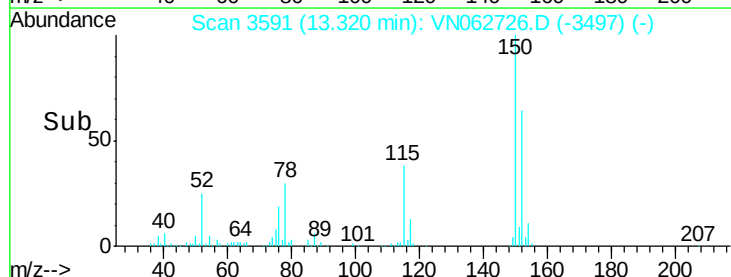
150 156.6 0.0 351.4

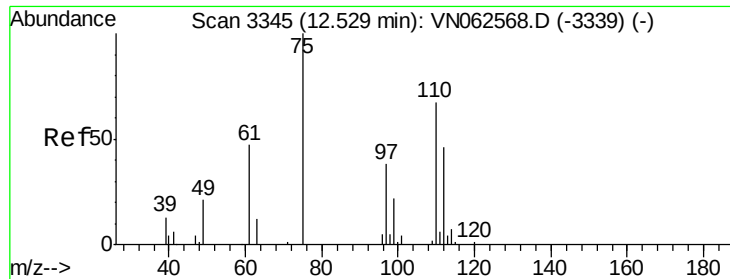


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

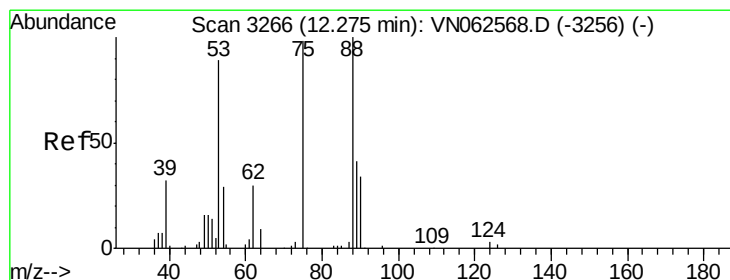
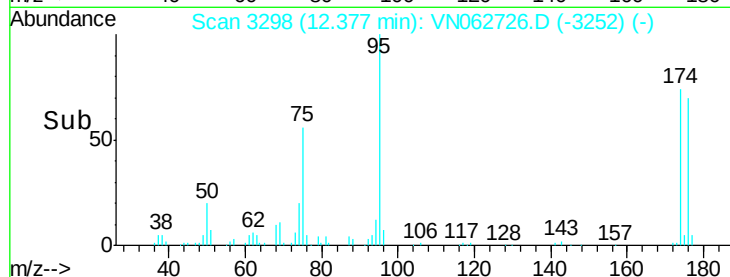
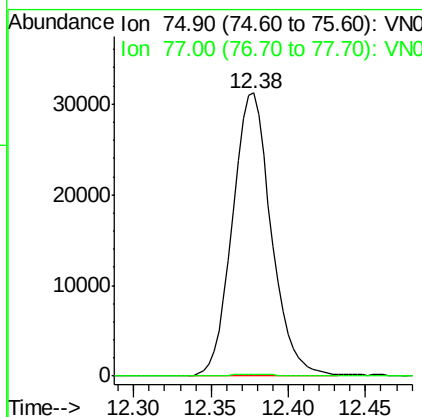
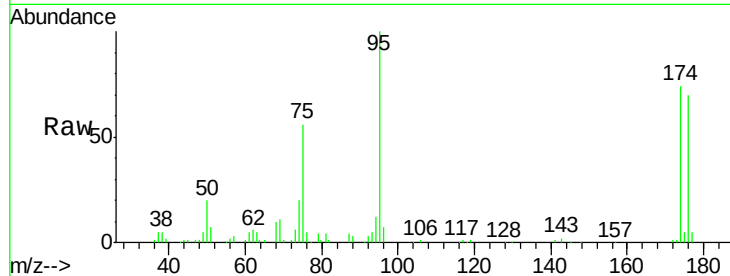




#76
 1,2,3-Trichloropropane
 Concen: 28.821 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

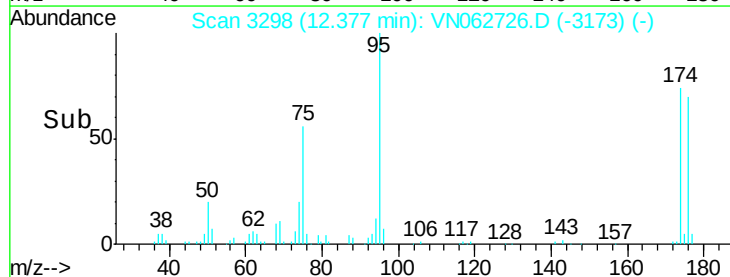
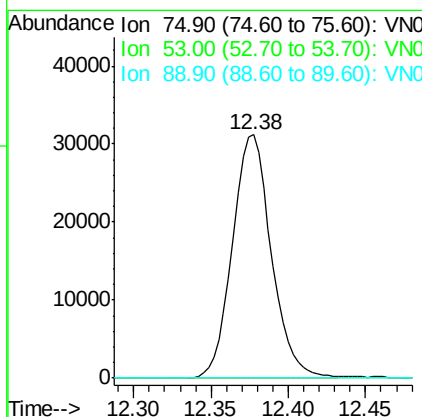
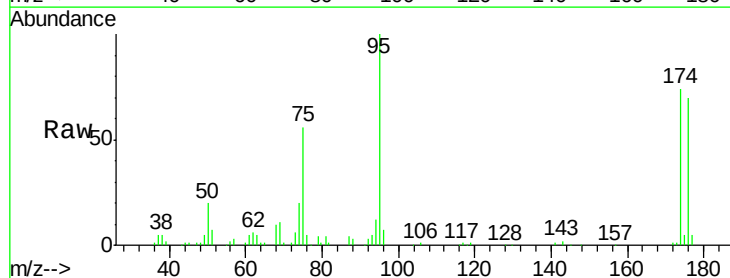
Instrument :
 MSVOA_N
 ClientSampled :
 VN0803MBL01

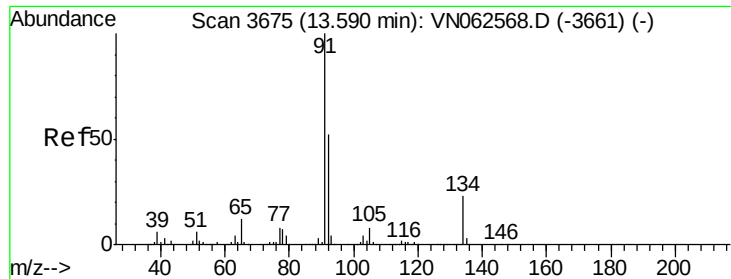
Tot Ion: 75 Resp: 54373
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.230 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Tgt Ion: 75 Resp: 54373
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

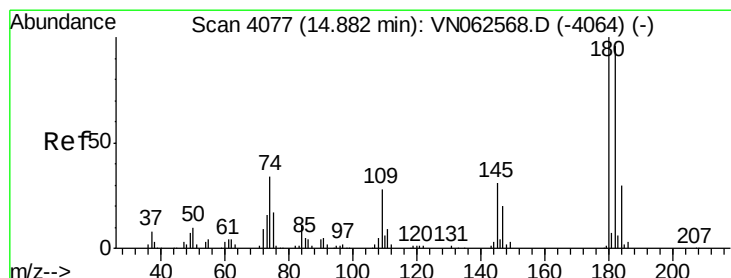
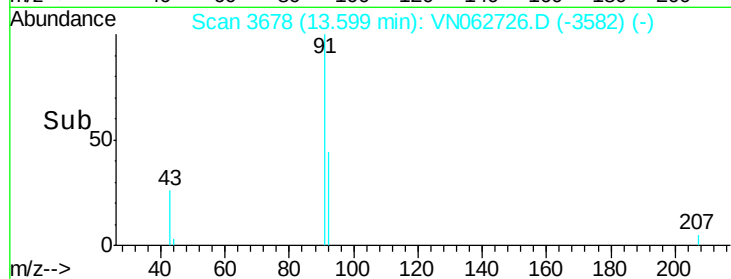
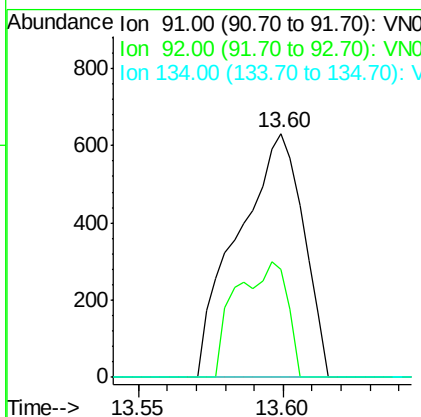
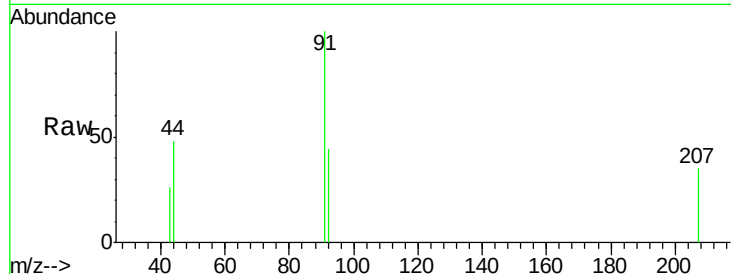




#89
n-Butylbenzene
Concen: 0.249 ug/l
RT: 13.60 min Scan# 3678
Delta R.T. 0.01 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

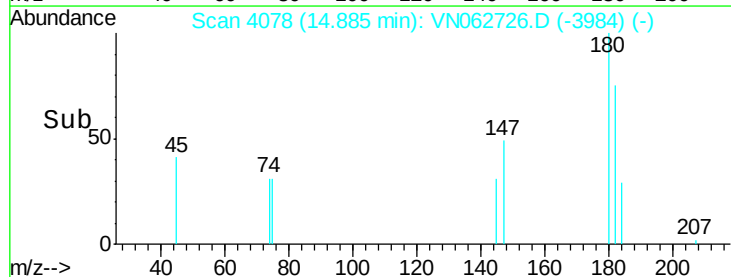
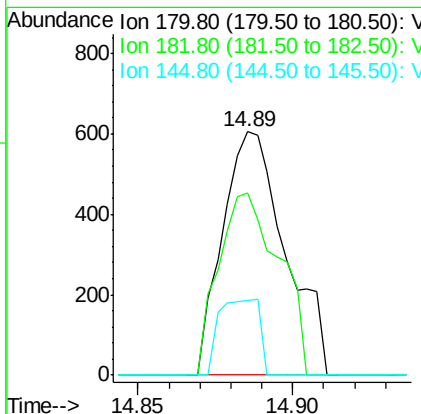
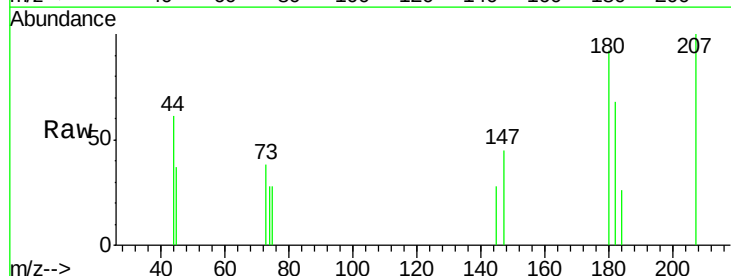
Instrument :
MSVOA_N
ClientSampled :
VN0803MBL01

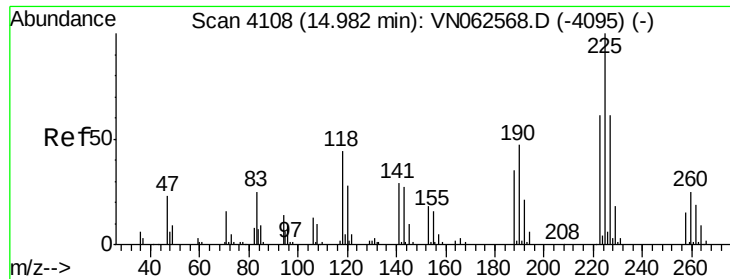
Tot Ion: 91 Resp: 993
Ion Ratio Lower Upper
91 100
92 36.8 25.8 77.3
134 0.0 11.8 35.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.752 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062726.D
Acq: 3 Aug 2020 11:09

Tgt Ion: 180 Resp: 859
Ion Ratio Lower Upper
180 100
182 72.1 47.8 143.3
145 20.1 15.3 45.9





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0803MBL01

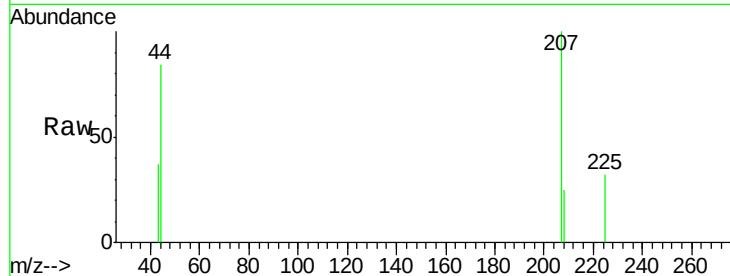
Tot Ion:225 Resp: 106

Ion Ratio Lower Upper

225 100

223 0.0 32.0 96.0#

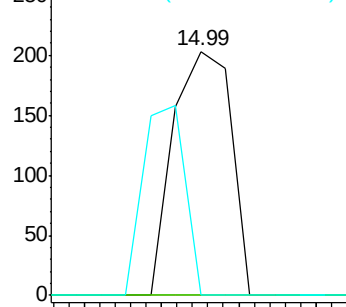
227 55.7 31.1 93.2



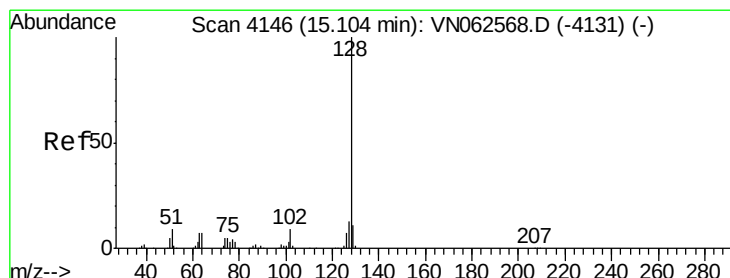
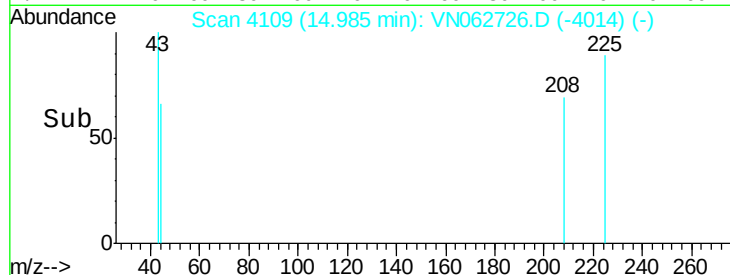
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 4.929 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062726.D

Acq: 3 Aug 2020 11:09

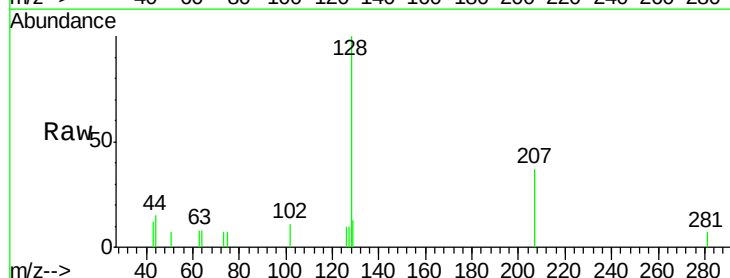
Tgt Ion:128 Resp: 4162

Ion Ratio Lower Upper

128 100

127 7.0 10.4 15.6#

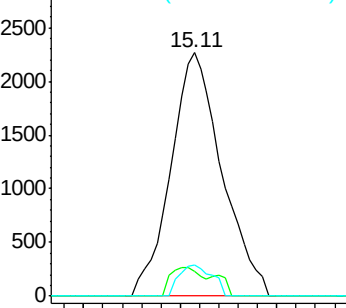
129 8.2 8.7 13.1#



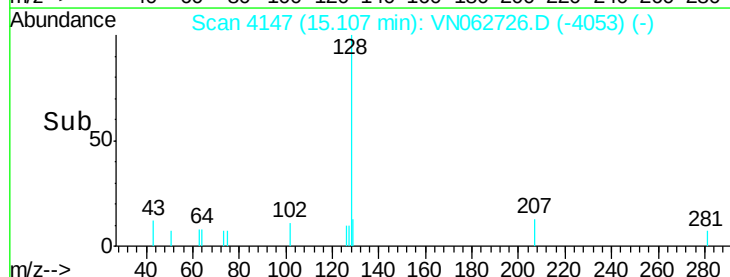
Abundance Ion 128.00 (127.70 to 128.70): V

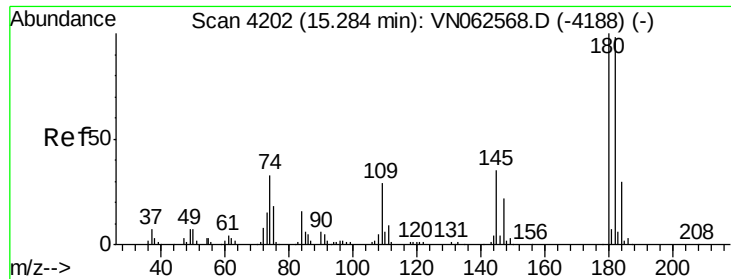
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.009 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062726.D
 Acq: 3 Aug 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803MBL01

Tot Ion:180 Resp: 1124
 Ion Ratio Lower Upper
 180 100
 182 87.6 48.1 144.3
 145 14.9 16.7 50.1#

