

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063003.D
 Acq On : 19 Aug 2020 10:44
 Operator : JC/MD
 Sample : VN0819WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBL01

Quant Time: Aug 19 13:40:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	91422	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.55	113	81443	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.06	98	304068	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.38	95	101398	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

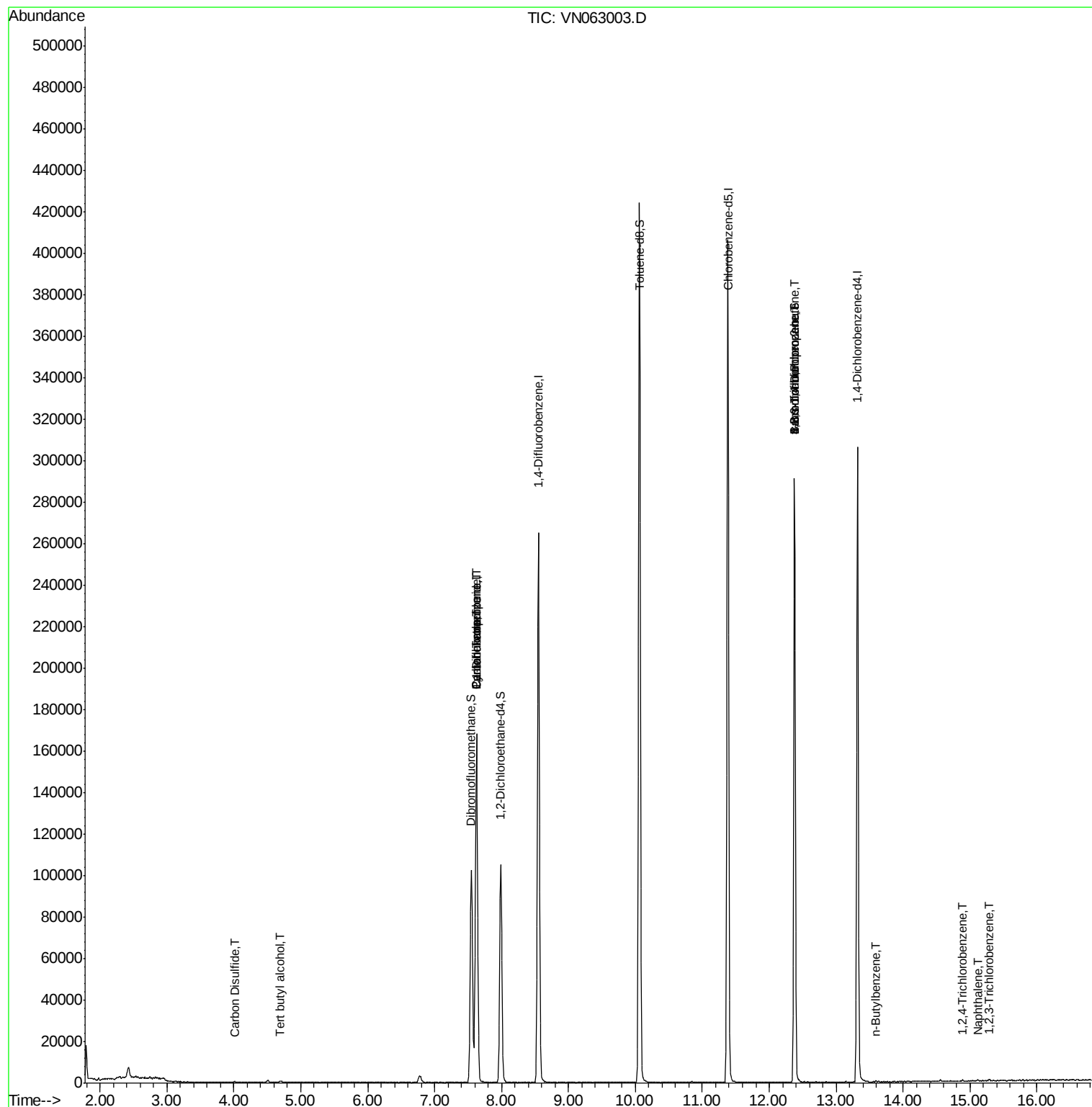
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.70	59	719	2.946	ug/l #	74
16) Acetone	3.79	43	184	Below Cal	#	40
17) Carbon Disulfide	4.01	76	653	0.202	ug/l #	76
20) Methylene Chloride	4.49	84	292	Below Cal	#	41
31) Cyclohexane	7.63	56	2356	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10182	4.761	ug/l #	48
38) Carbon Tetrachloride	7.63	117	12296	5.695	ug/l #	17
71) Bromoform	12.38	173	753	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48379	28.055	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48379	77.051	ug/l #	15
89) n-Butylbenzene	13.59	91	456	2.860	ug/l #	75
93) 1,2,4-Trichlorobenzene	14.89	180	237	4.685	ug/l #	78
95) Naphthalene	15.11	128	1064	5.909	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	567	4.312	ug/l #	63

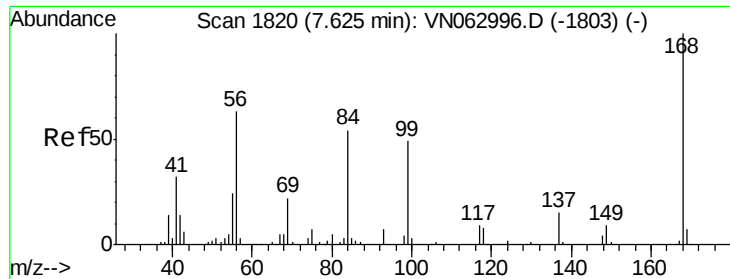
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
Data File : VN063003.D
Acq On : 19 Aug 2020 10:44
Operator : JC/MD
Sample : VN0819WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBL01

Quant Time: Aug 19 13:40:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampleId :

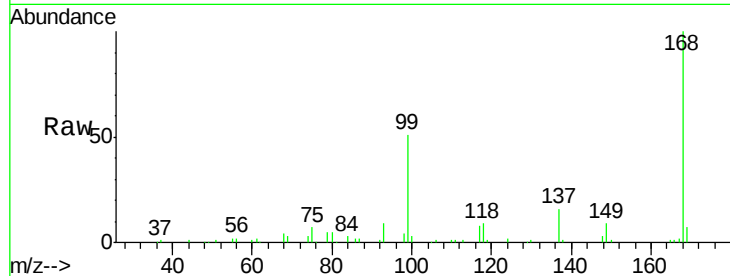
VN0819WBL01

Tgt Ion:168 Resp: 145381

Ion Ratio Lower Upper

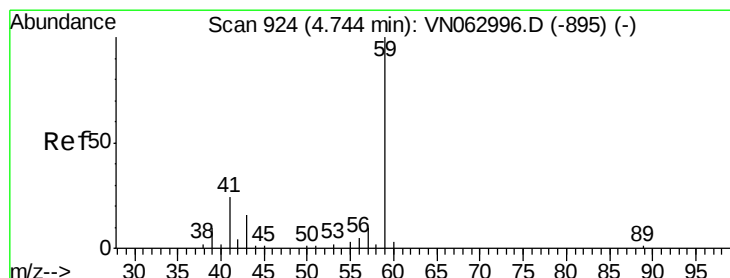
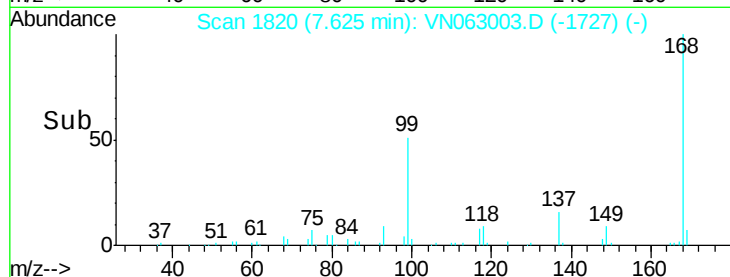
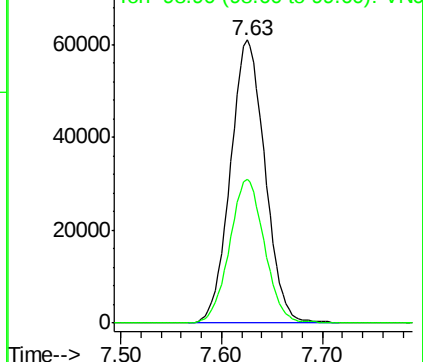
168 100

99 50.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 2.946 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN063003.D

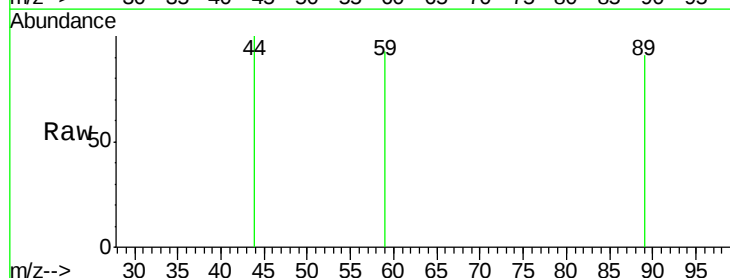
Acq: 19 Aug 2020 10:44

Tgt Ion: 59 Resp: 719

Ion Ratio Lower Upper

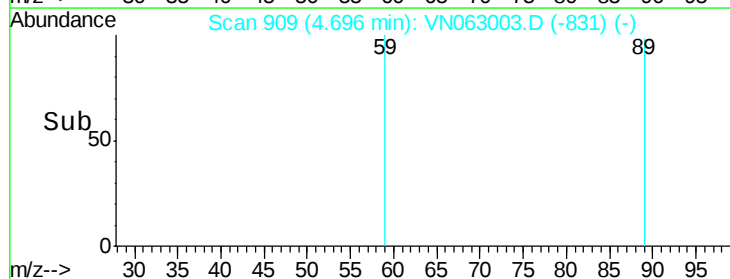
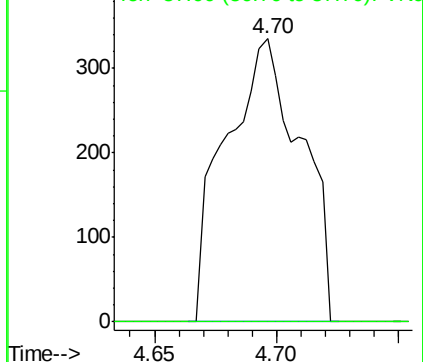
59 100

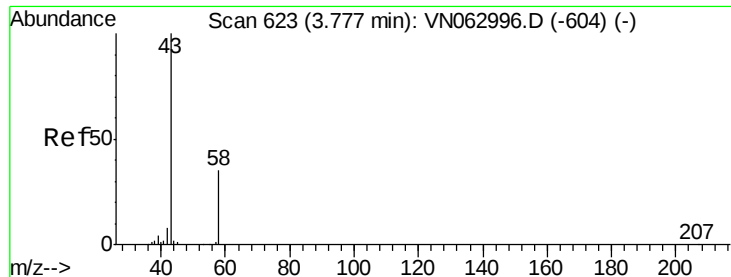
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampleId :

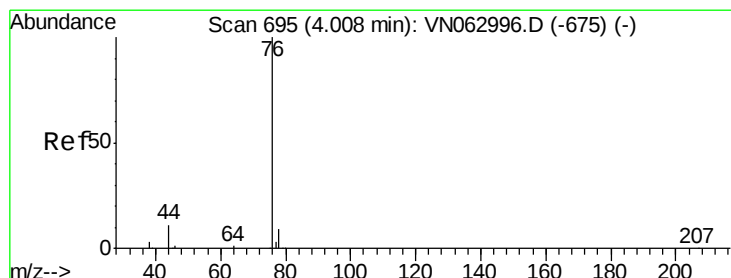
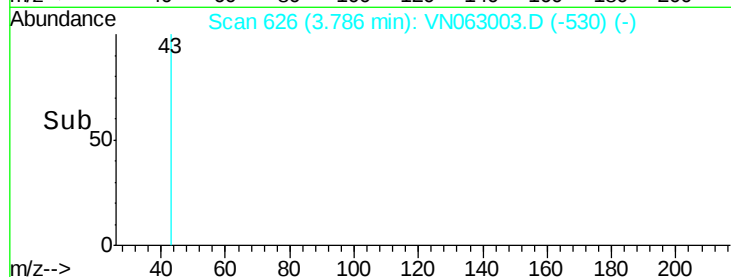
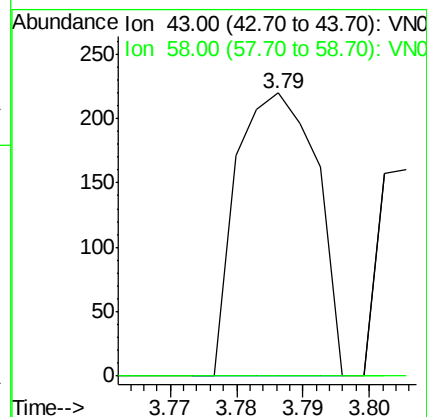
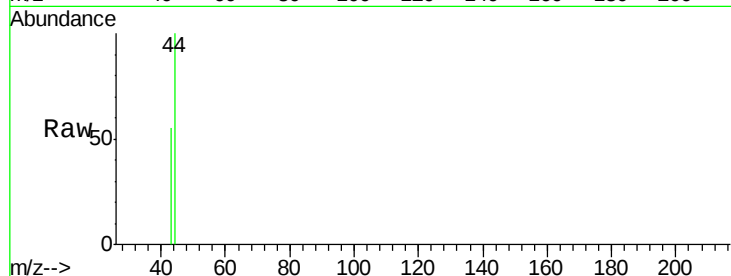
VN0819WBL01

Tgt Ion: 43 Resp: 184

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN063003.D

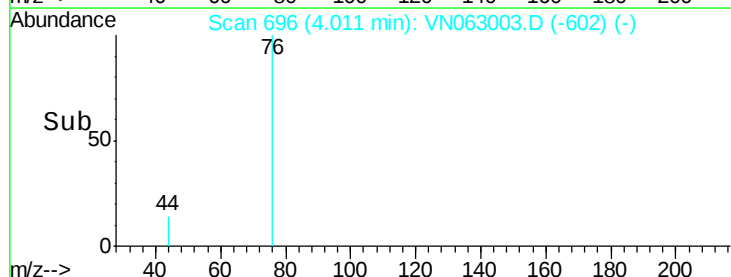
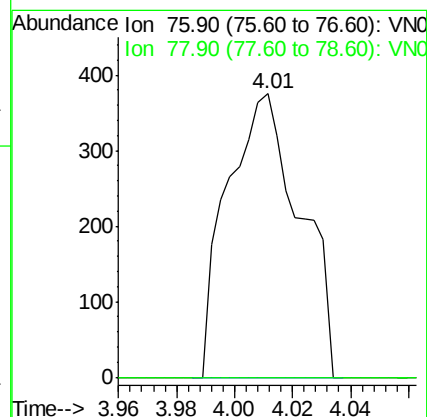
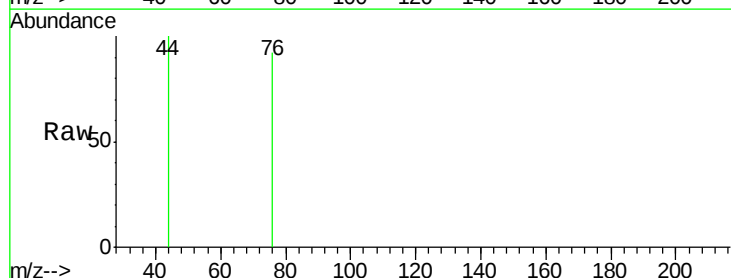
Acq: 19 Aug 2020 10:44

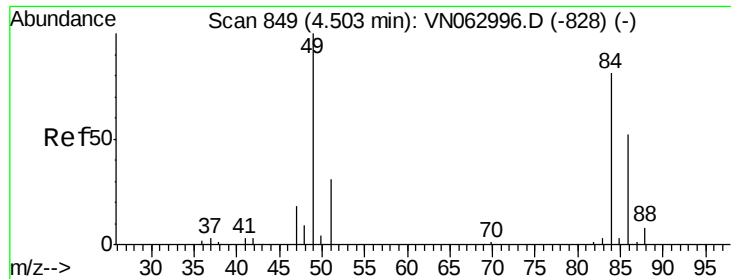
Tgt Ion: 76 Resp: 653

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#

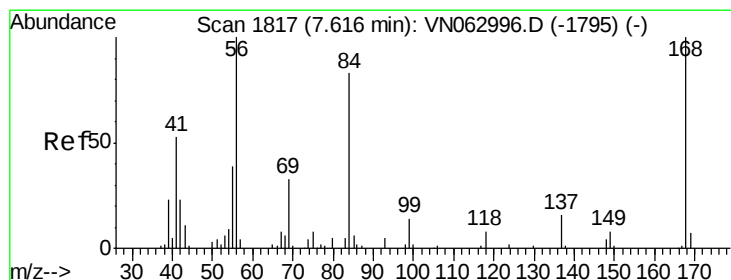
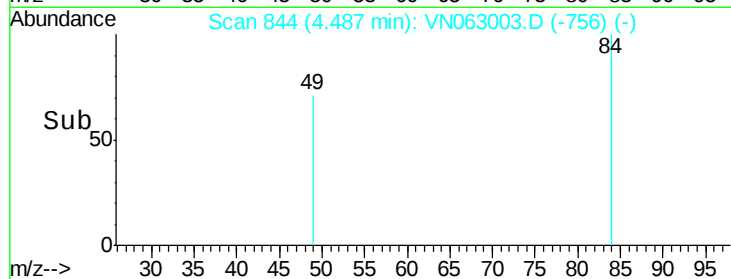
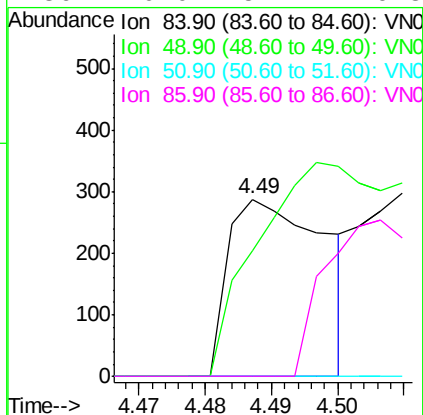
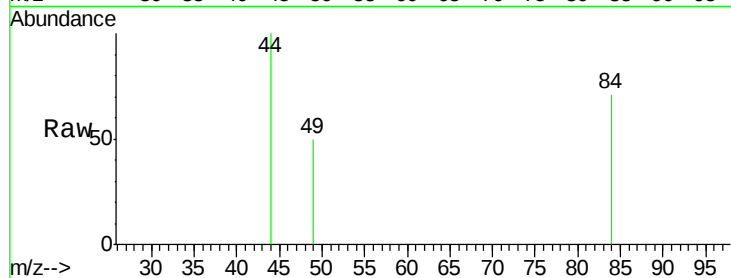




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 844
Delta R.T. -0.02 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

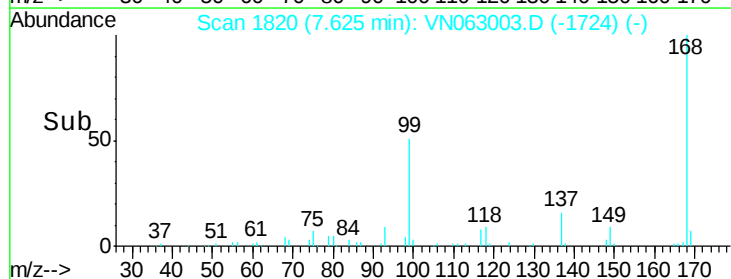
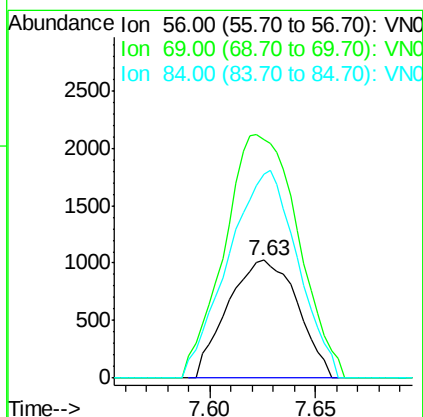
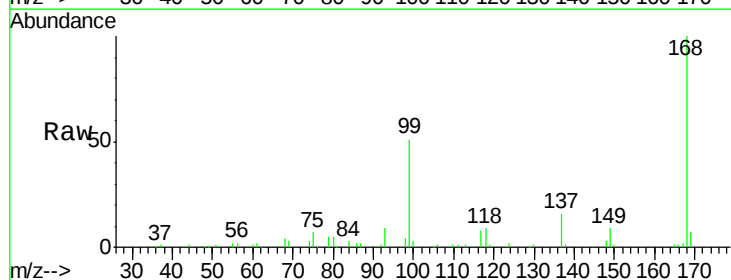
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBL01

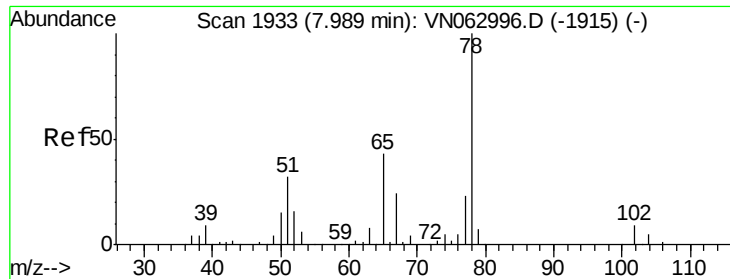
Tgt Ion:	84	Resp:	292
Ion	Ratio	Lower	Upper
84	100		
49	70.8	98.7	148.1#
51	0.0	30.8	46.2#
86	0.0	51.2	76.8#



#31
Cyclohexane
Concen: 0.928 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Tgt Ion:	56	Resp:	2356
Ion	Ratio	Lower	Upper
56	100		
69	185.9	26.6	40.0#
84	173.4	66.4	99.6#

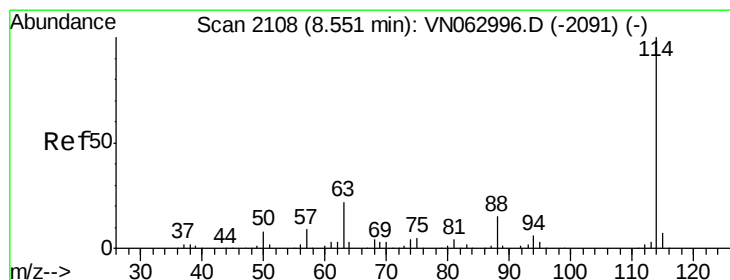
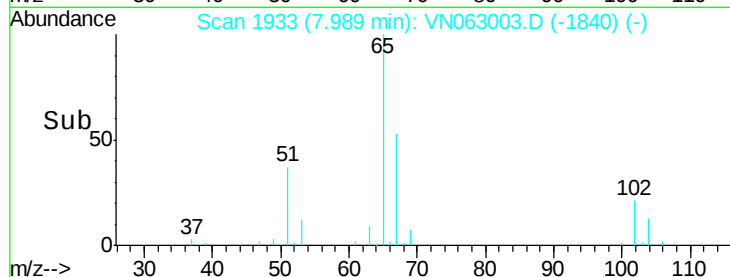
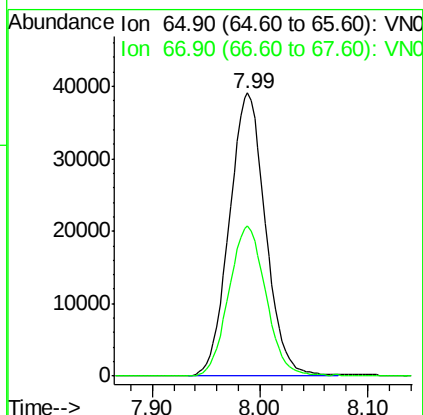
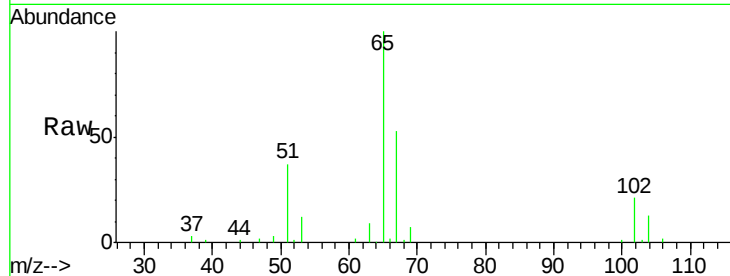




#33
 1,2-Dichloroethane-d4
 Concen: 53.059 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063003.D
 Acq: 19 Aug 2020 10:44

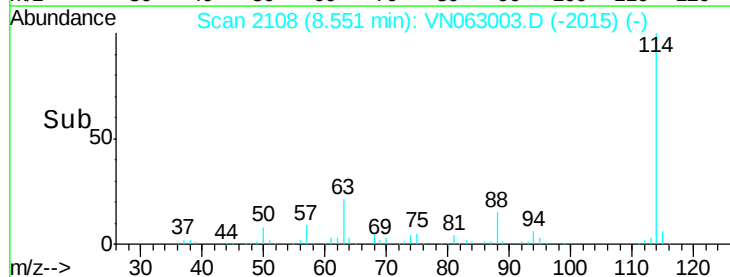
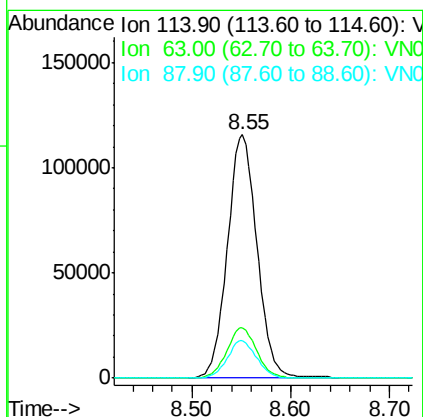
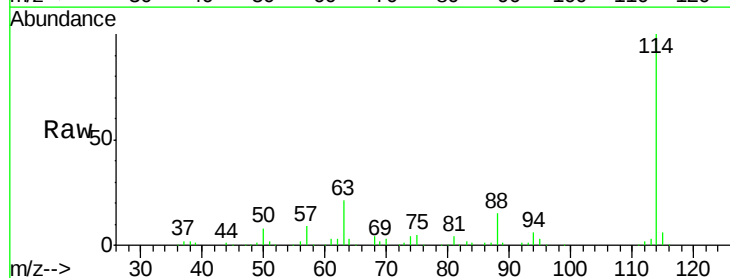
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBL01

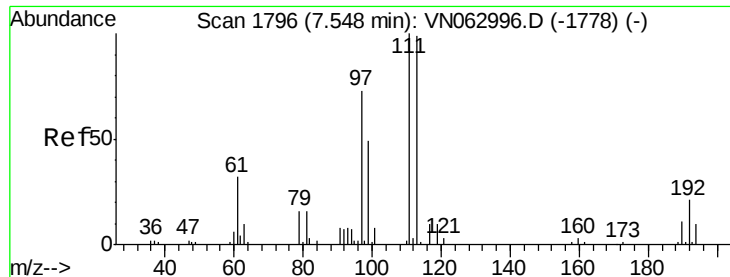
Tgt Ion: 65 Resp: 91422
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063003.D
 Acq: 19 Aug 2020 10:44

Tgt Ion: 114 Resp: 242663
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.508 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBL01

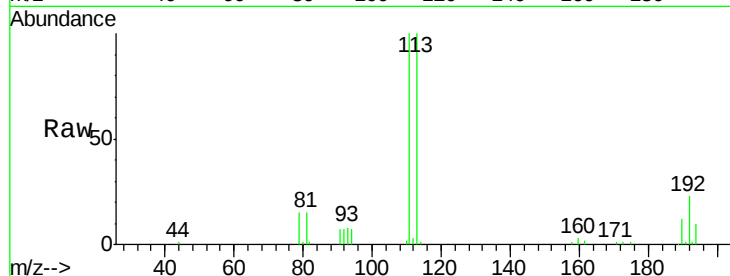
Tgt Ion:113 Resp: 81443

Ion Ratio Lower Upper

113 100

111 100.3 81.7 122.5

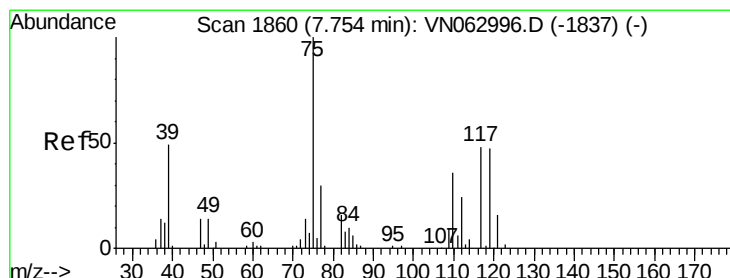
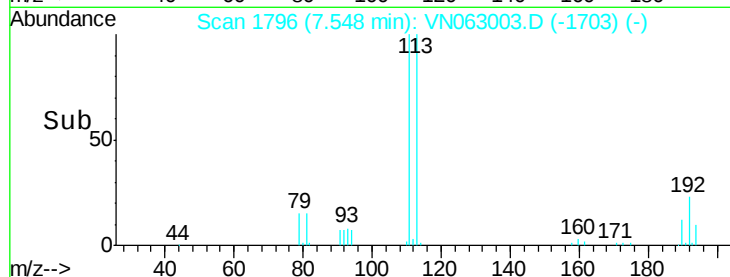
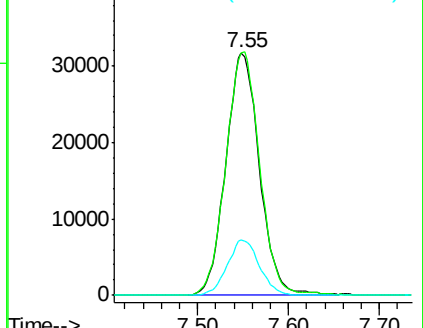
192 21.7 17.5 26.3



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: 4.761 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

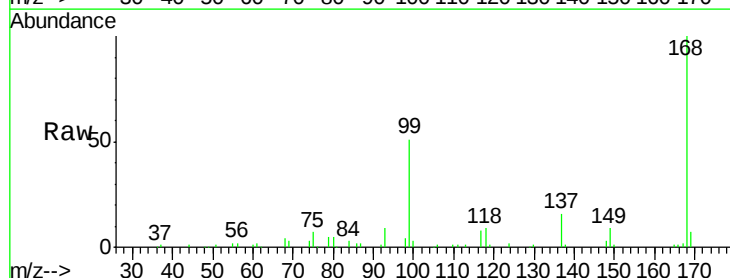
Tgt Ion: 75 Resp: 10182

Ion Ratio Lower Upper

75 100

110 6.9 17.5 52.6#

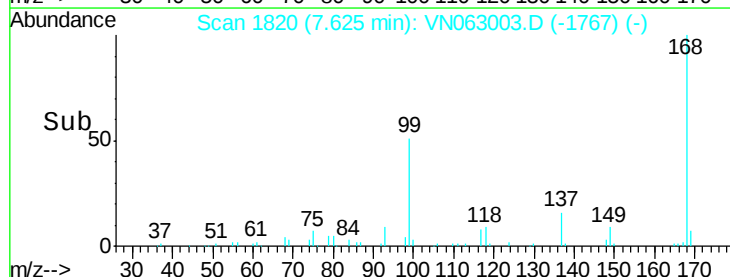
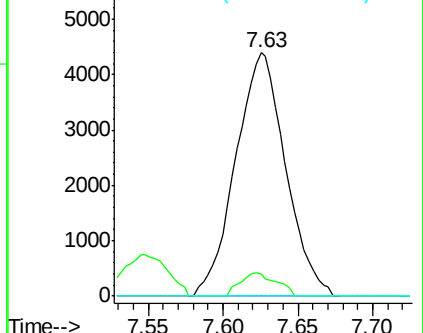
77 0.0 24.2 36.4#

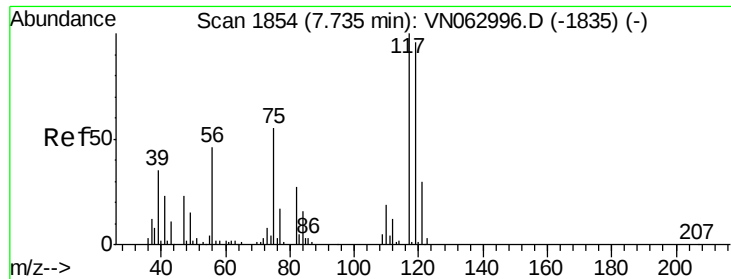


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

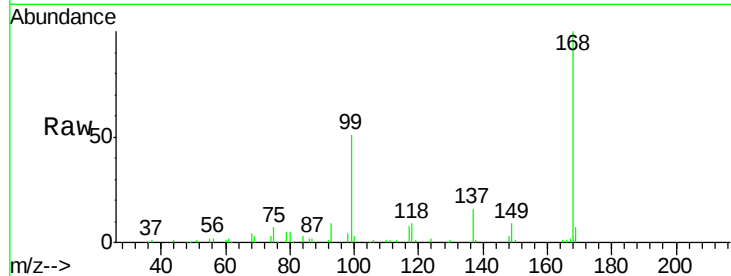




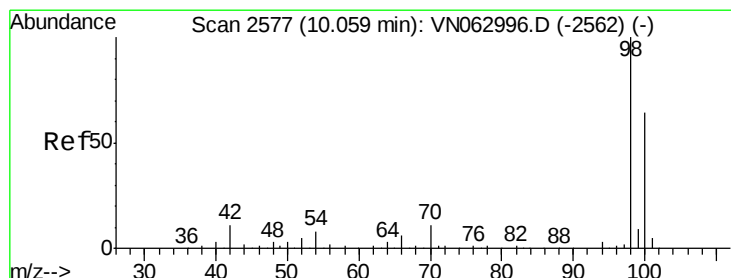
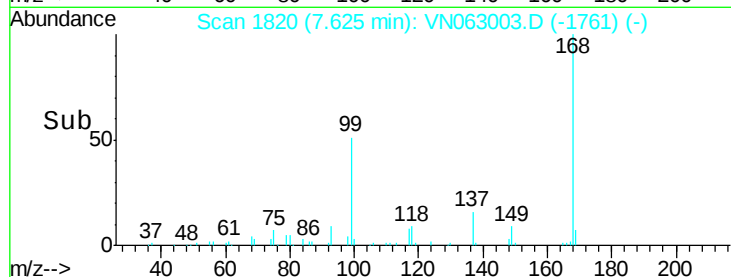
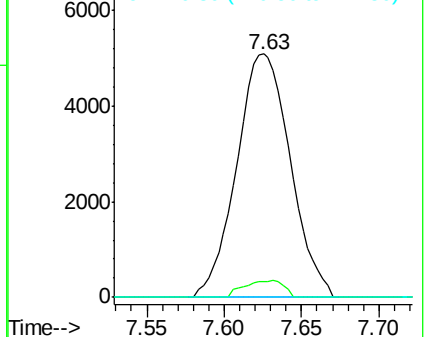
#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBL01

Tgt Ion:117 Resp: 12296
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.2 36.2#

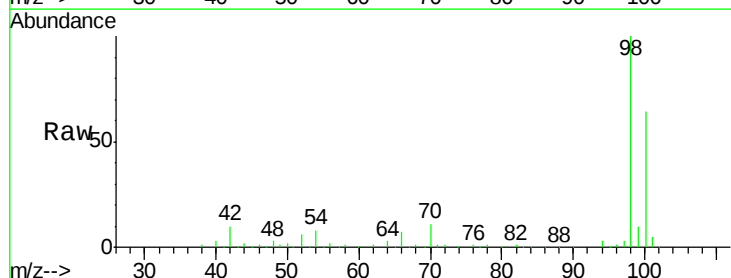


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

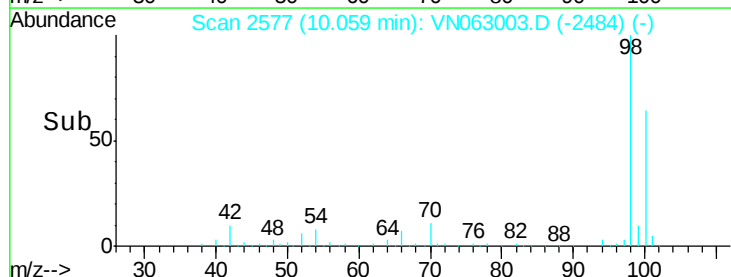
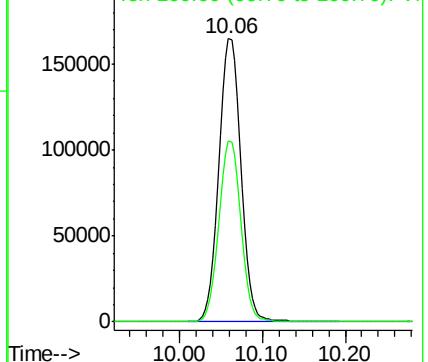


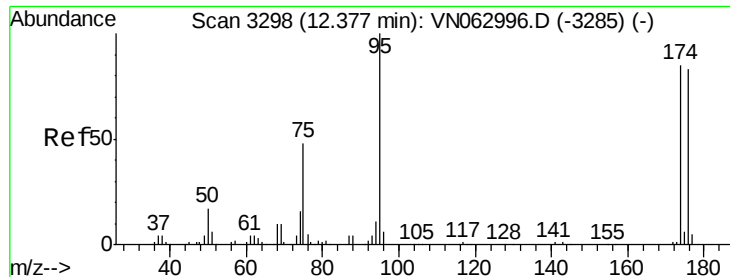
#50
Toluene-d8
Concen: 50.065 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Tgt Ion: 98 Resp: 304068
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.311 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBL01

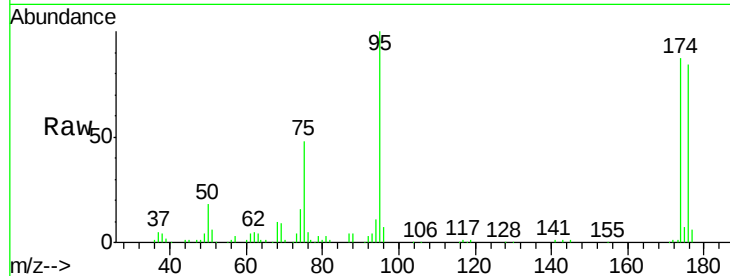
Tgt Ion: 95 Resp: 101398

Ion Ratio Lower Upper

95 100

174 87.2 0.0 170.8

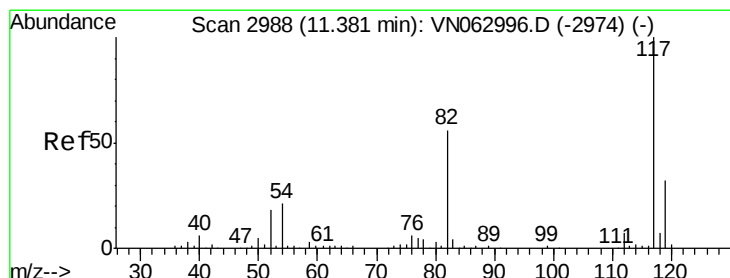
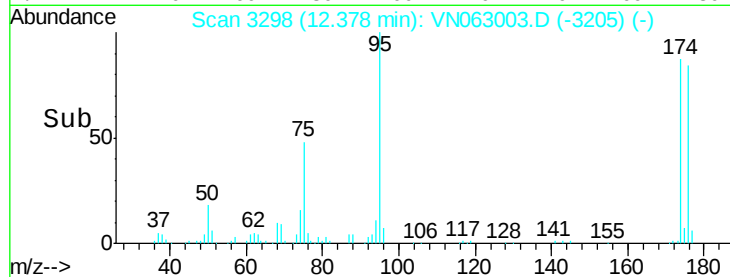
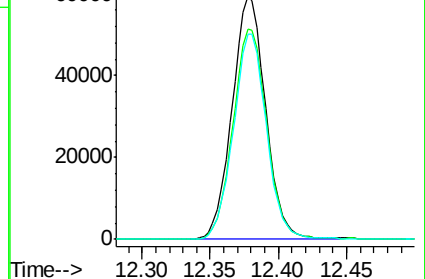
176 83.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

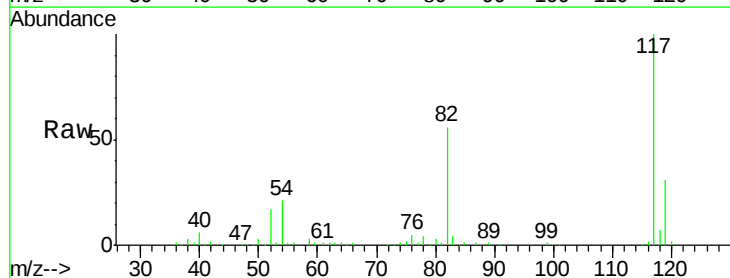
Tgt Ion: 117 Resp: 243822

Ion Ratio Lower Upper

117 100

82 55.8 44.5 66.7

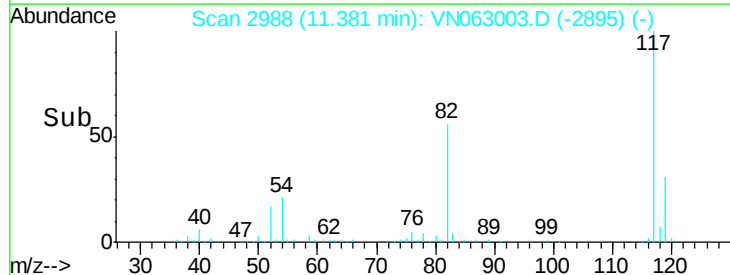
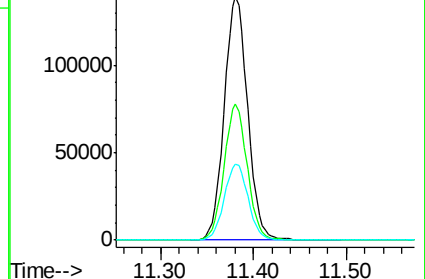
119 31.4 25.5 38.3

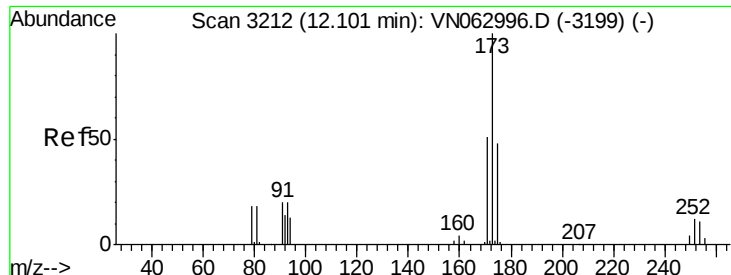


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.497 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0819WBL01

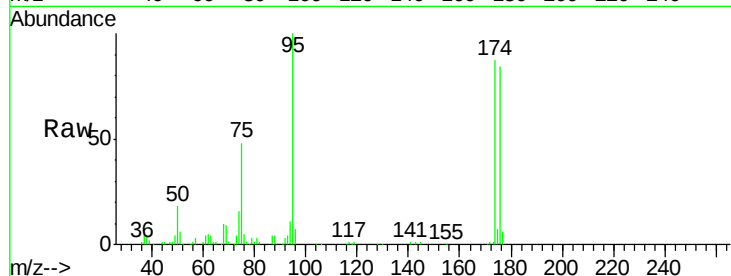
Tgt Ion:173 Resp: 753

Ion Ratio Lower Upper

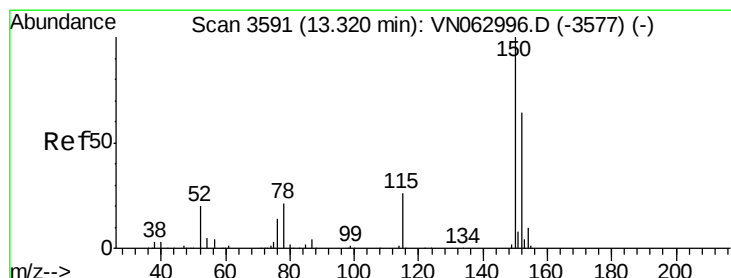
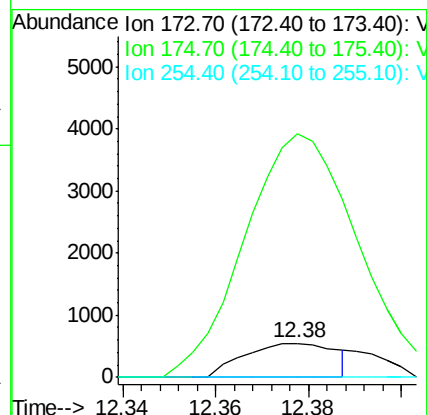
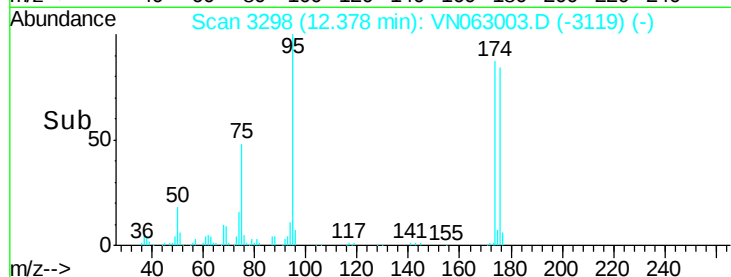
173 100

175 717.4 24.3 72.8#

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: VN063003.D

Acq: 19 Aug 2020 10:44

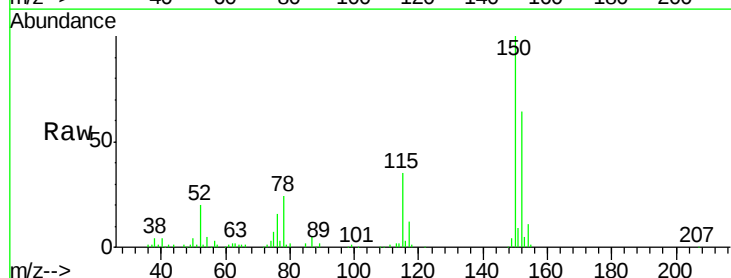
Tgt Ion:152 Resp: 88716

Ion Ratio Lower Upper

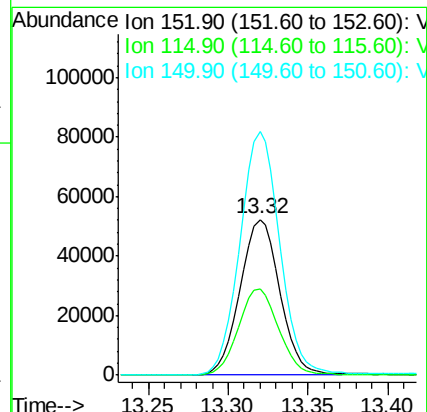
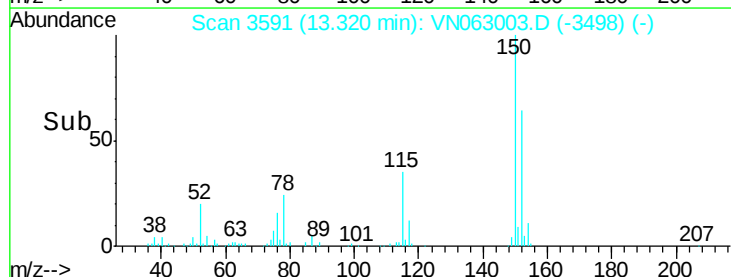
152 100

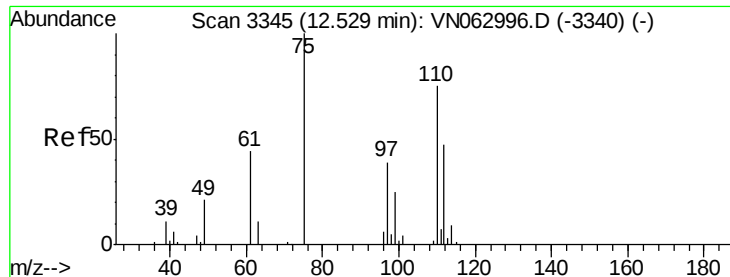
115 56.3 28.7 86.3

150 157.0 0.0 348.8



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: 28.055 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

Instrument :

MSVOA_N

ClientSampleId :

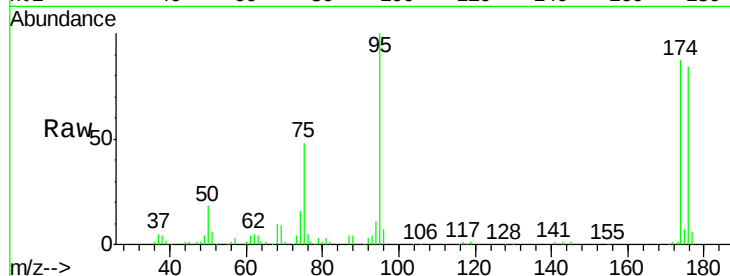
VN0819WBL01

Tgt Ion: 75 Resp: 48379

Ion Ratio Lower Upper

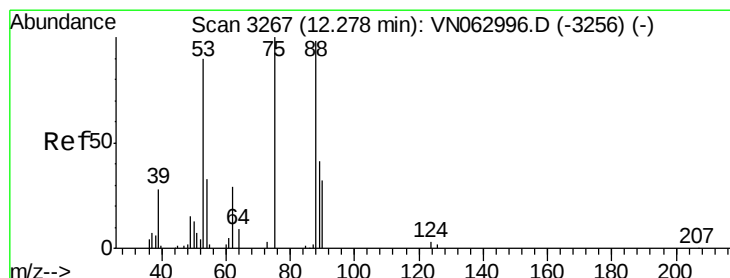
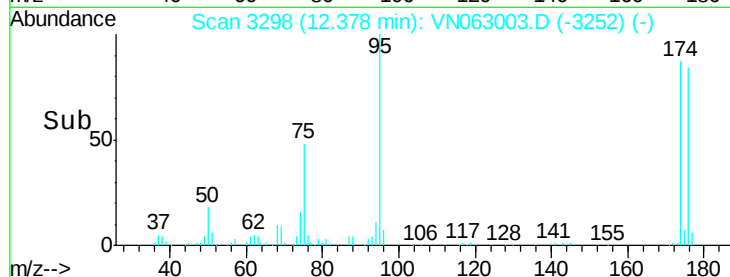
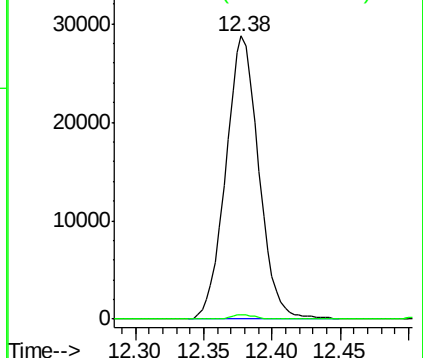
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 77.051 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063003.D

Acq: 19 Aug 2020 10:44

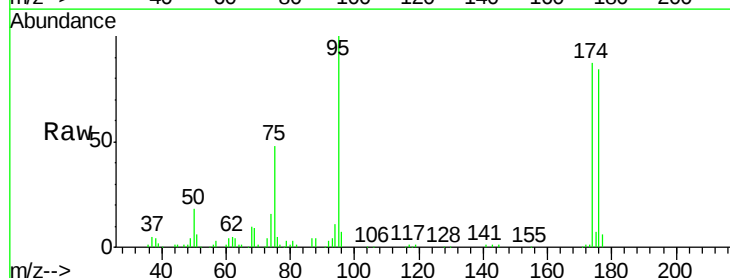
Tgt Ion: 75 Resp: 48379

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

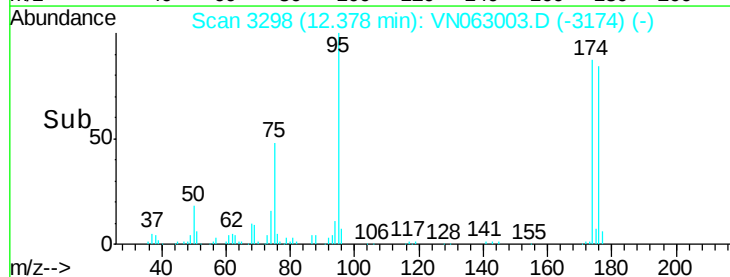
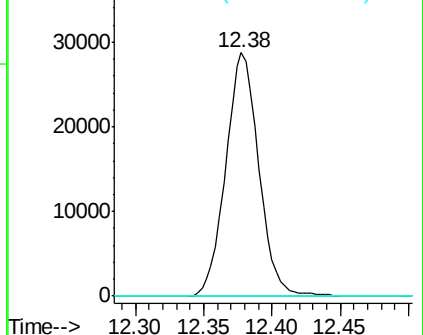
89 0.0 34.2 51.4#

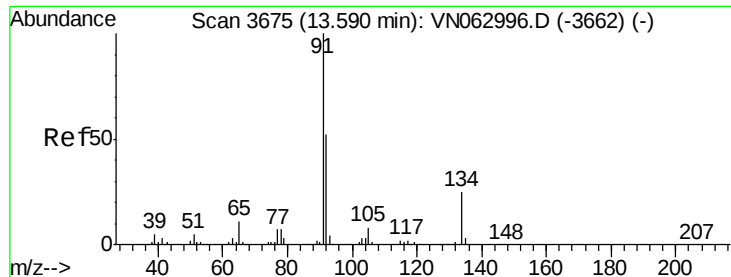


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

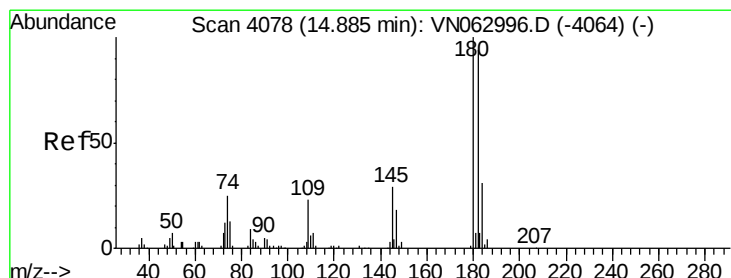
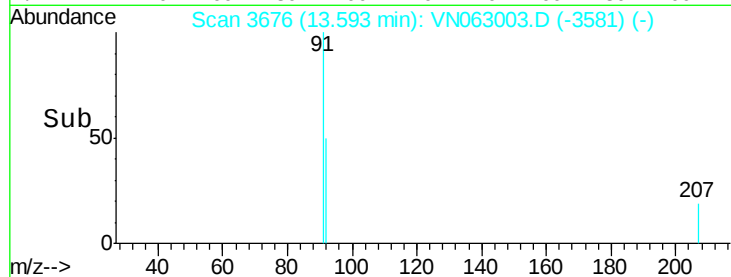
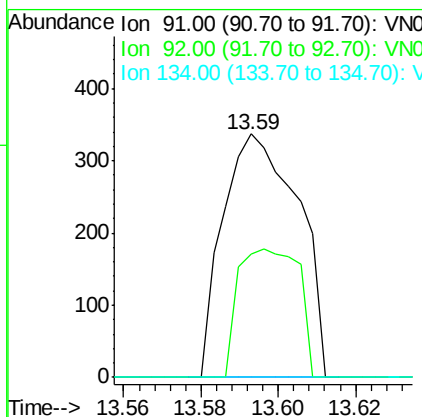
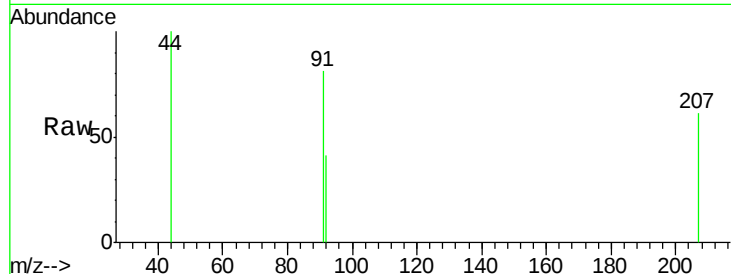




#89
n-Butylbenzene
Concen: 2.860 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

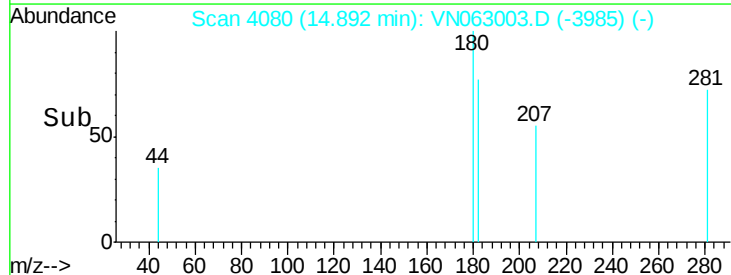
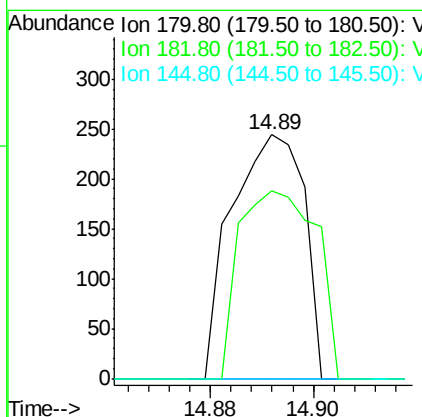
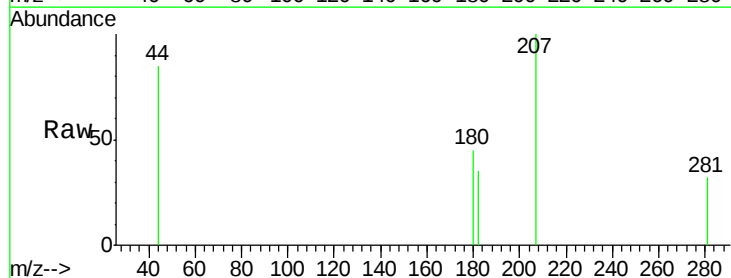
Instrument :
MSVOA_N
ClientSampled :
VN0819WBL01

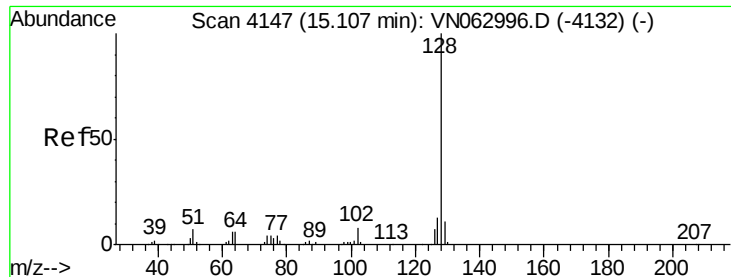
Tgt Ion: 91 Resp: 456
Ion Ratio Lower Upper
91 100
92 42.1 25.9 77.6
134 0.0 12.4 37.0#



#93
1,2,4-Trichlorobenzene
Concen: 4.685 ug/l
RT: 14.89 min Scan# 4080
Delta R.T. 0.01 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Tgt Ion: 180 Resp: 237
Ion Ratio Lower Upper
180 100
182 82.3 47.0 141.2
145 0.0 14.1 42.4#

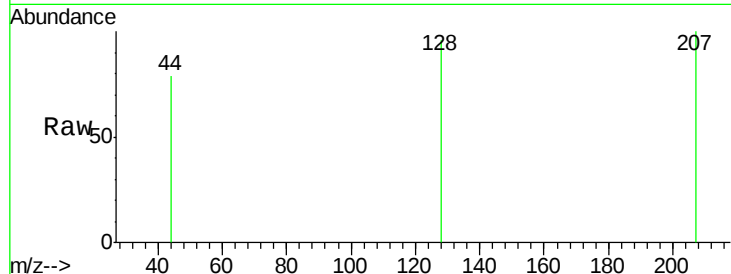




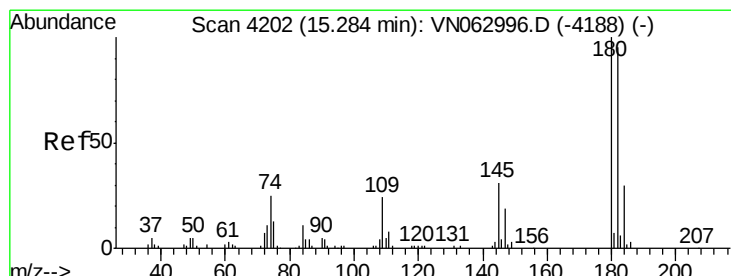
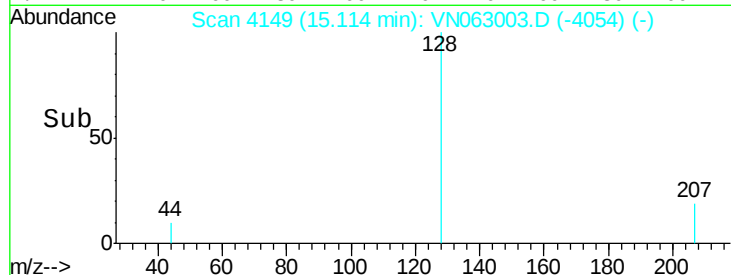
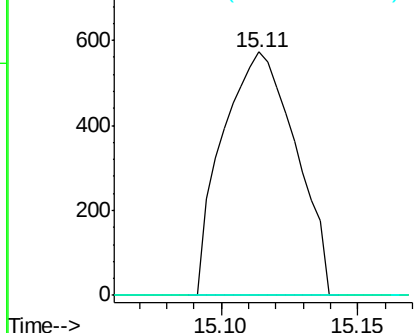
#95
Naphthalene
Concen: 5.909 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBL01

Tgt Ion:128 Resp: 1064
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.9 13.3#

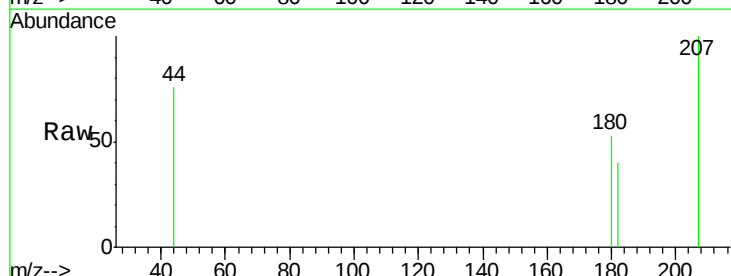


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.312 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063003.D
Acq: 19 Aug 2020 10:44

Tgt Ion:180 Resp: 567
Ion Ratio Lower Upper
180 100
182 64.7 47.3 141.9
145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

