

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073609.D
 Acq On : 27 Jul 2022 16:02
 Operator : JC\MD
 Sample : N3877-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220722

Quant Time: Jul 27 16:32:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 13:35:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

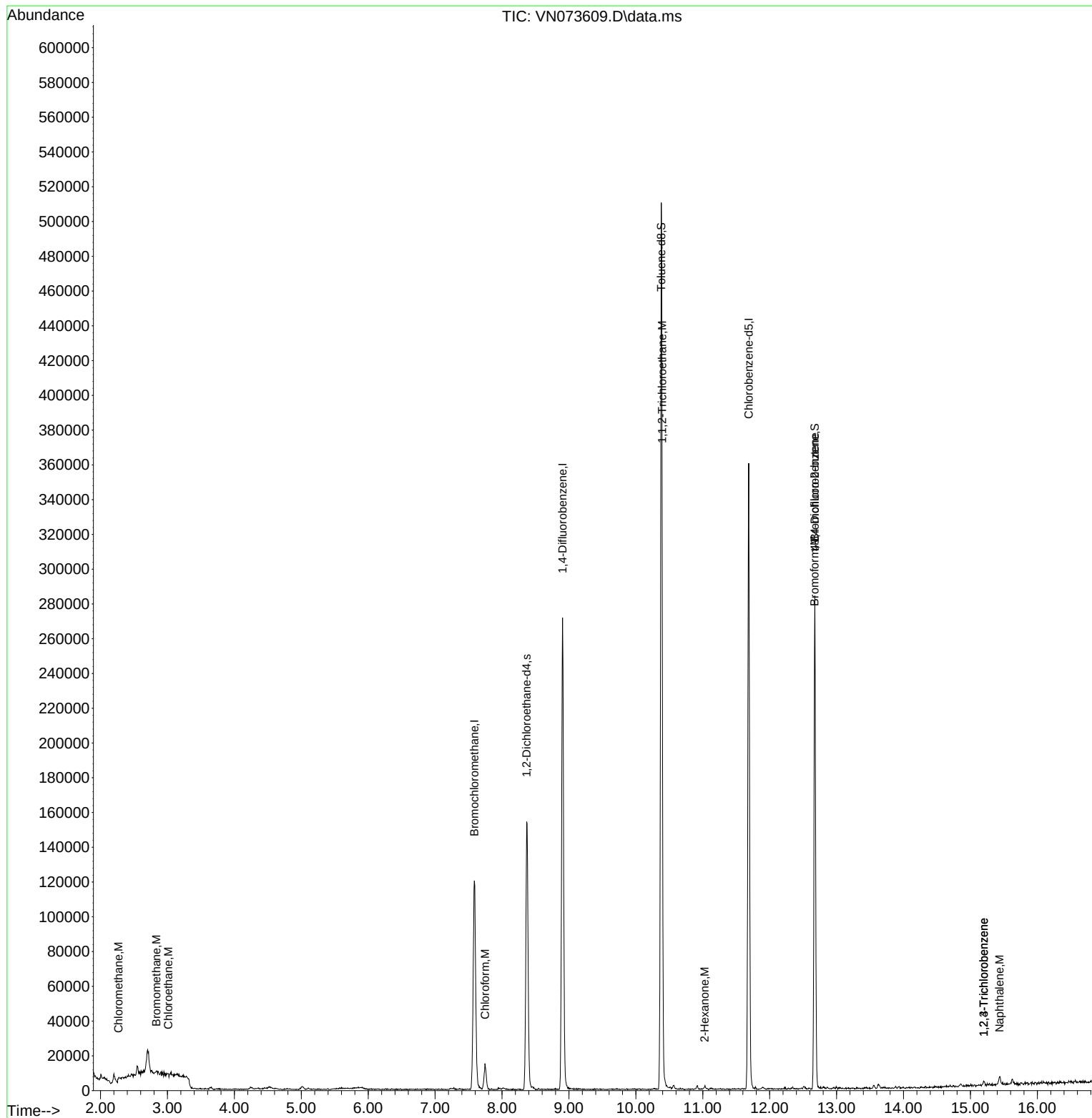
Internal Standards						
1) Bromochloromethane	7.587	128	45745	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	242651	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	211449	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	128493	32.487	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.300%
60) 4-Bromofluorobenzene	12.675	95	92328	24.660	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.200%
63) Toluene-d8	10.381	98	361577	30.369	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.233%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1107	0.269	ug/l	90
5) Bromomethane	2.834	94	1342	0.524	ug/l	99
6) Chloroethane	3.010	64	744	0.218	ug/l	94
25) Chloroform	7.745	83	13240	2.092	ug/l	88
50) 1,1,2-Trichloroethane	10.392	97	11516	3.056	ug/l #	1
56) Bromoform	12.669	173	905	0.302	ug/l #	1
59) 2-Hexanone	11.028	43	1183	0.281	ug/l #	82
77) t-1,4-Dichloro-2-butene	12.675	75	47148	28.874	ug/l #	9
89) 1,2,4-Trichlorobenzene	15.198	180	999	0.259	ug/l #	84
91) Naphthalene	15.433	128	6274	0.495	ug/l	98
92) 1,2,3-Trichlorobenzene	15.198	180	999	0.252	ug/l	82

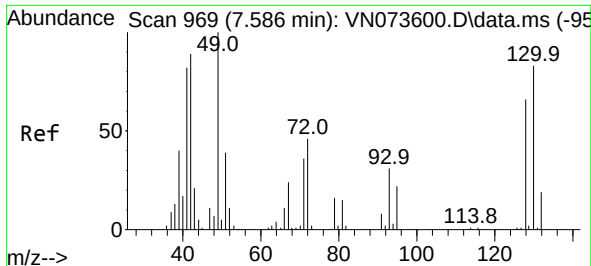
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 16:32:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 27 13:35:03 2022
Response via : Initial Calibration

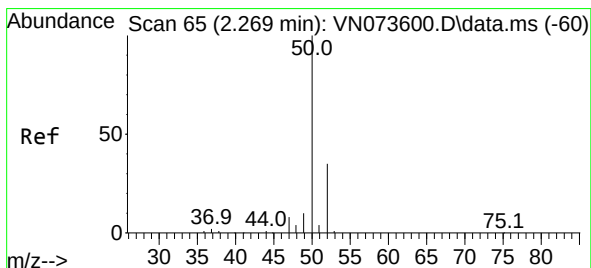
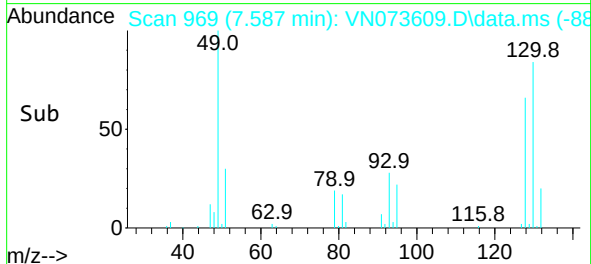
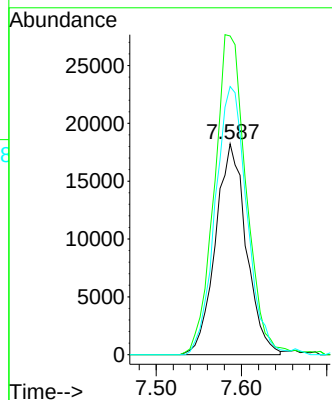
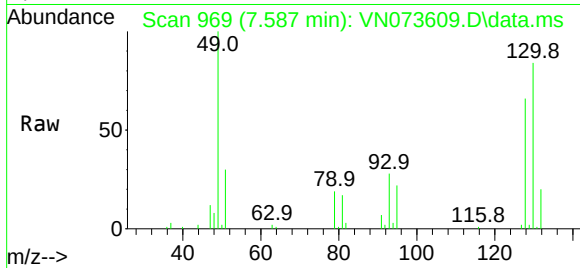




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 969
Delta R.T. 0.001 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

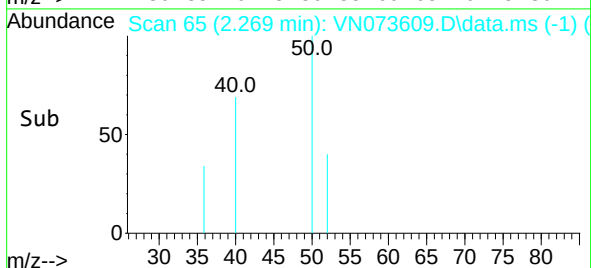
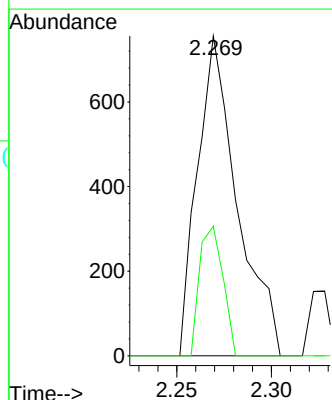
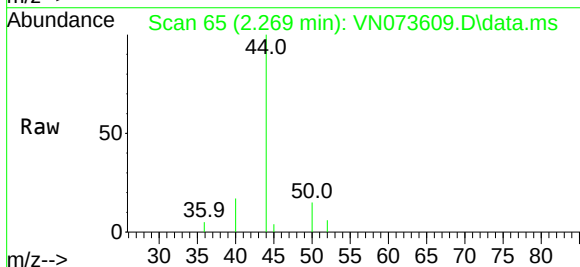
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MSVOA_N
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TT-TB-20220722

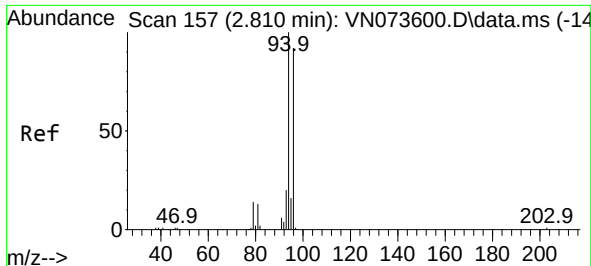
Tgt Ion:128 Resp: 45745
Ion Ratio Lower Upper
128 100
49 157.4 0.0 392.3
130 131.0 0.0 320.2



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion: 50 Resp: 1107
Ion Ratio Lower Upper
50 100
52 40.5 27.8 41.6

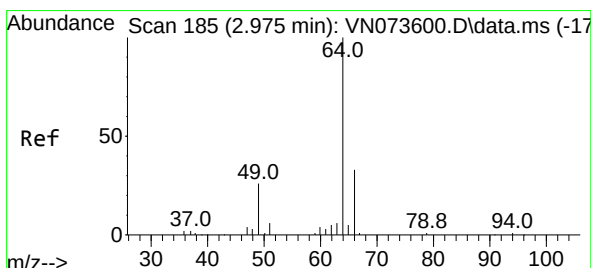
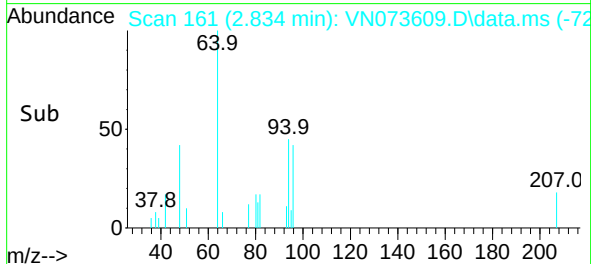
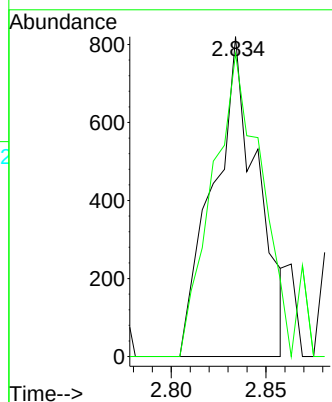
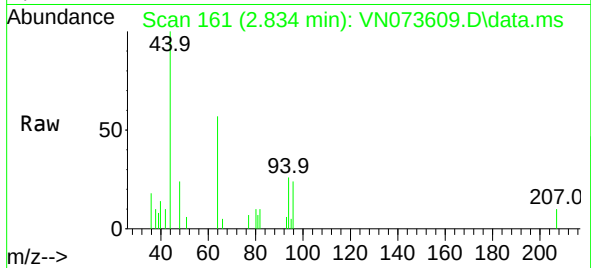




#5
Bromomethane
Concen: 0.524 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

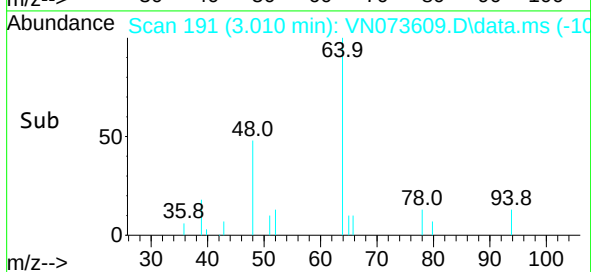
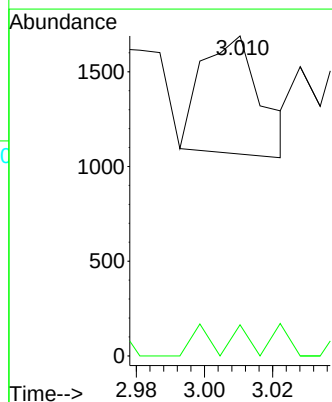
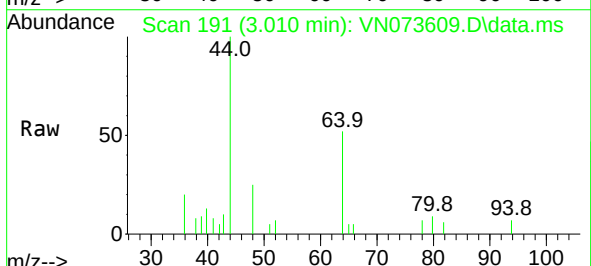
Instrument :
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ClientSampleId :
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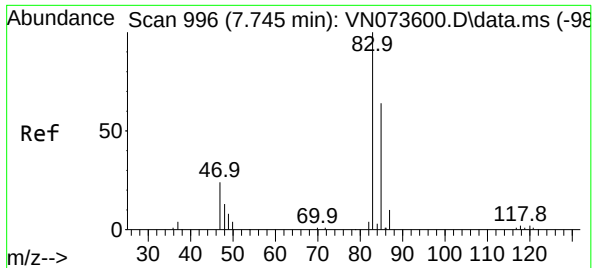
Tgt Ion: 94 Resp: 1342
Ion Ratio Lower Upper
94 100
96 94.8 75.2 112.8



#6
Chloroethane
Concen: 0.218 ug/l
RT: 3.010 min Scan# 191
Delta R.T. 0.035 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion: 64 Resp: 744
Ion Ratio Lower Upper
64 100
66 27.6 24.6 36.8

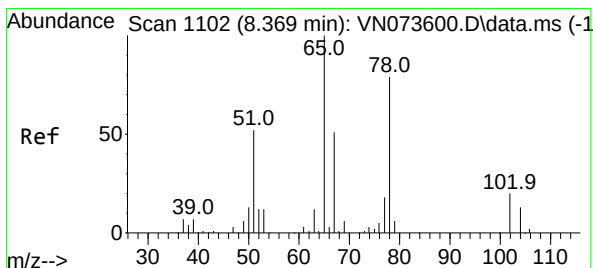
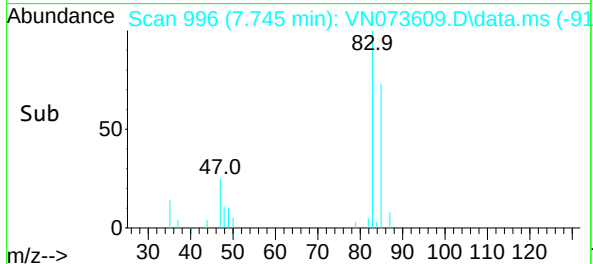
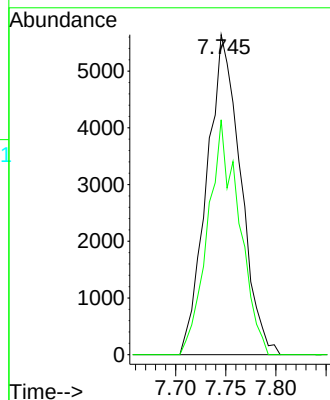
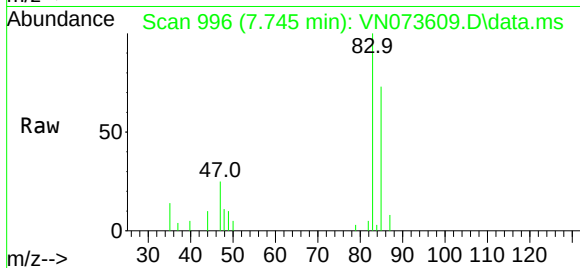




#25
Chloroform
Concen: 2.092 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

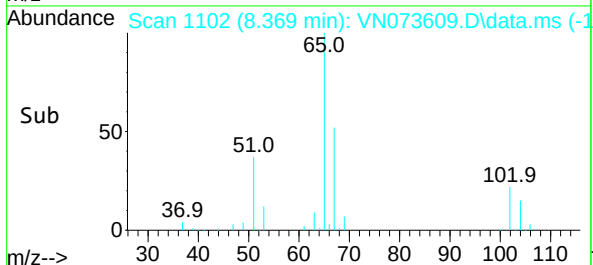
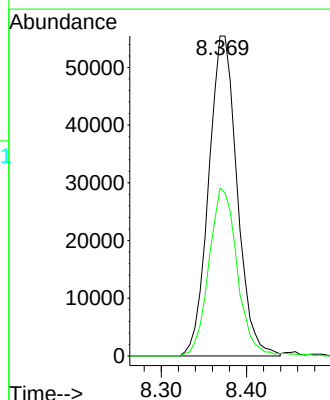
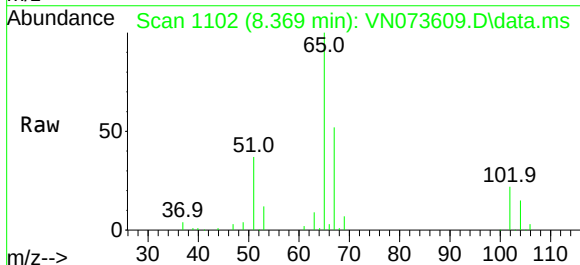
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220722

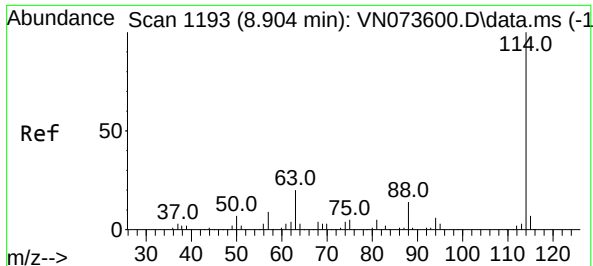
Tgt Ion: 83 Resp: 13240
Ion Ratio Lower Upper
83 100
85 73.4 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 32.487 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion: 65 Resp: 128493
Ion Ratio Lower Upper
65 100
67 51.8 40.2 60.2

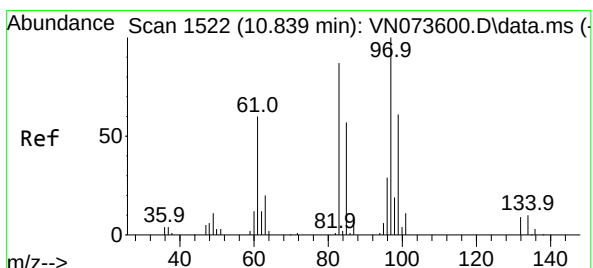
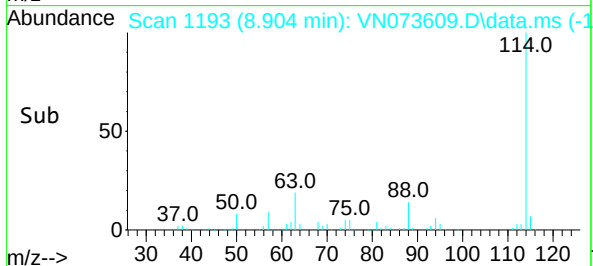
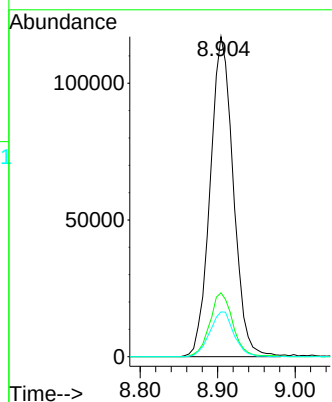
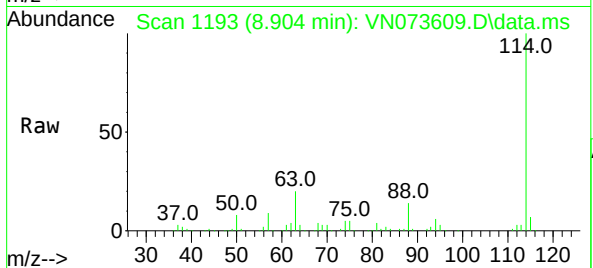




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VN073609.D
 Acq: 27 Jul 2022 16:02

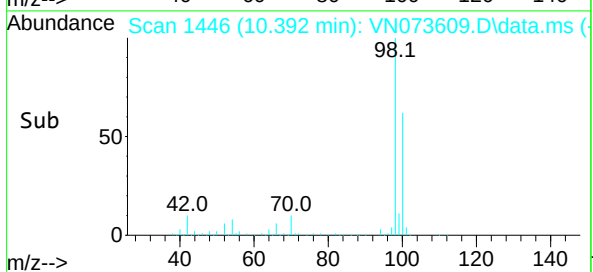
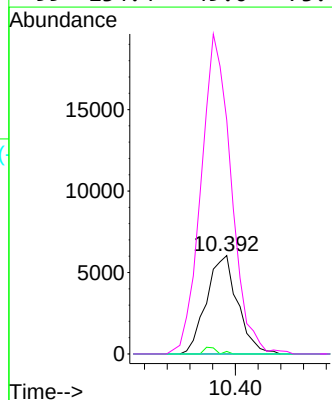
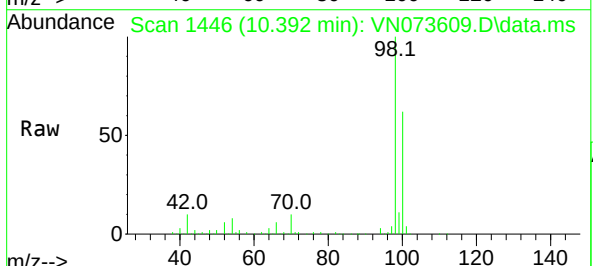
Instrument :
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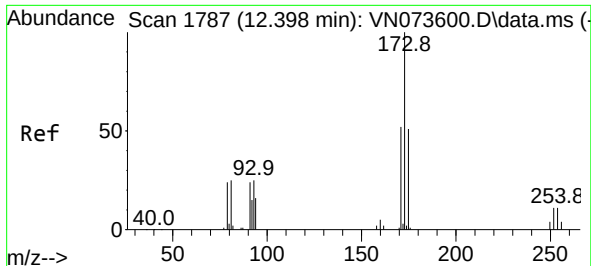
Tgt Ion:114 Resp: 242651
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.8 23.6
 88 14.5 11.6 17.4



#50
 1,1,2-Trichloroethane
 Concen: 3.056 ug/l
 RT: 10.392 min Scan# 1446
 Delta R.T. -0.447 min
 Lab File: VN073609.D
 Acq: 27 Jul 2022 16:02

Tgt Ion: 97 Resp: 11516
 Ion Ratio Lower Upper
 97 100
 83 2.7 67.2 100.8#
 85 0.0 43.0 64.4#
 99 234.4 49.0 73.4#

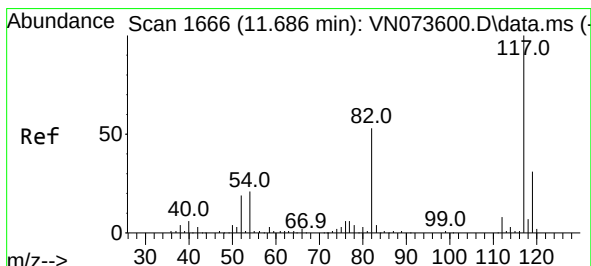
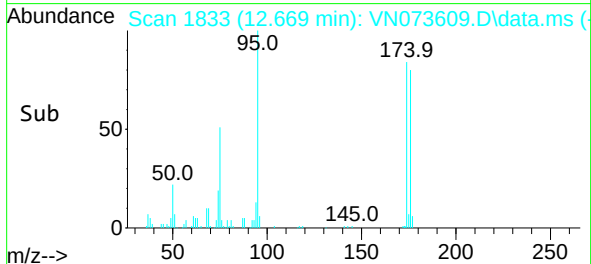
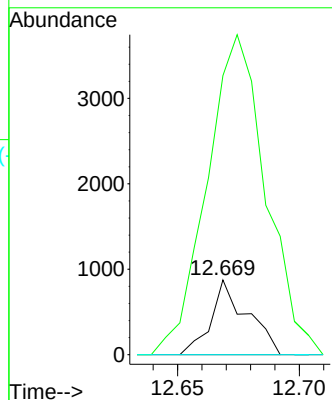
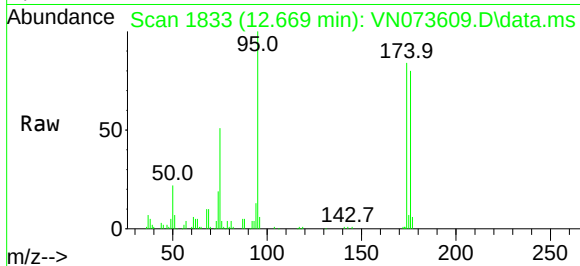




#56
Bromoform
Concen: 0.302 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

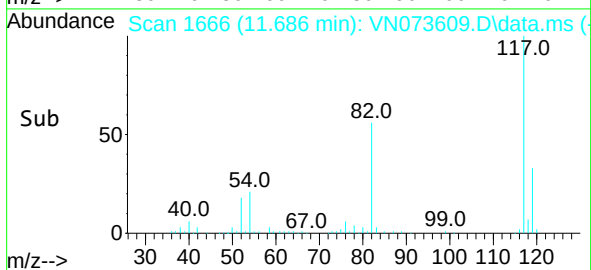
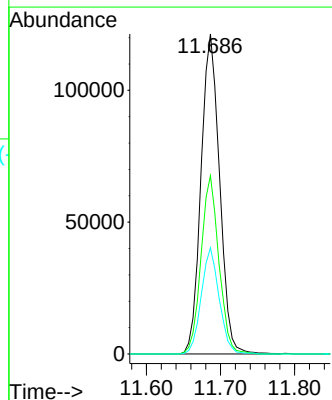
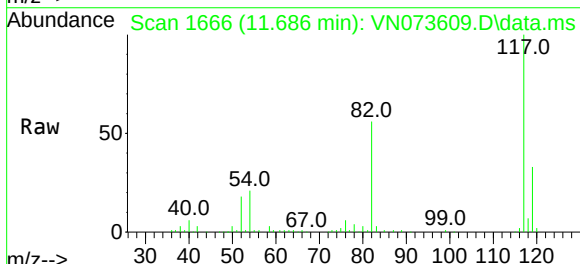
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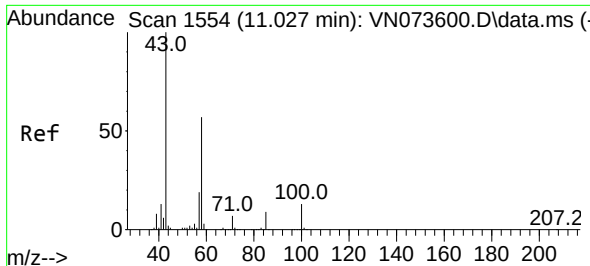
Tgt Ion:173 Resp: 905
Ion Ratio Lower Upper
173 100
175 696.8 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion:117 Resp: 211449
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 31.9 25.8 38.6

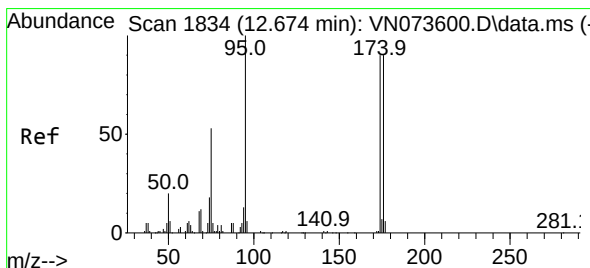
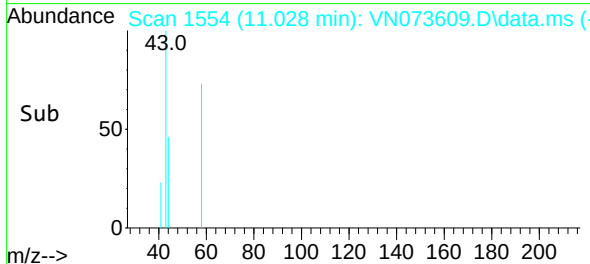
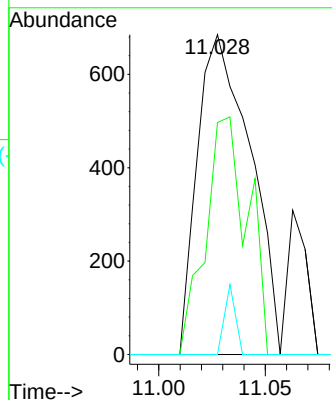
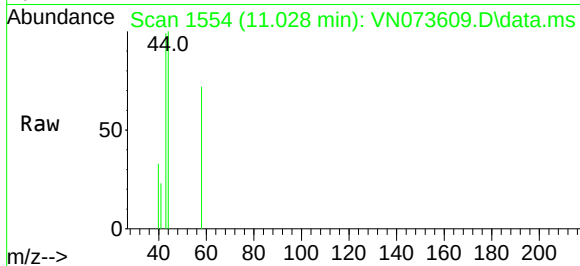




#59
2-Hexanone
Concen: 0.281 ug/l
RT: 11.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

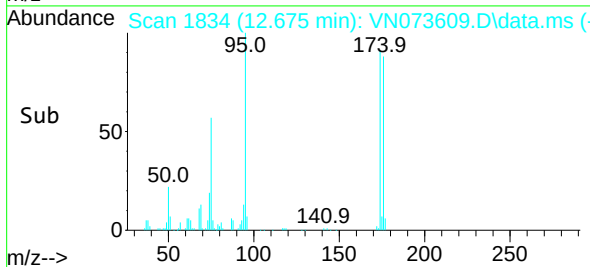
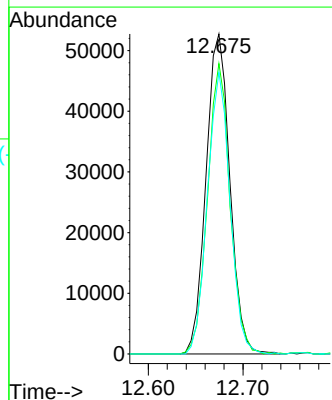
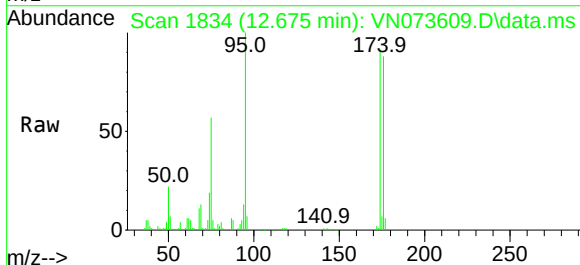
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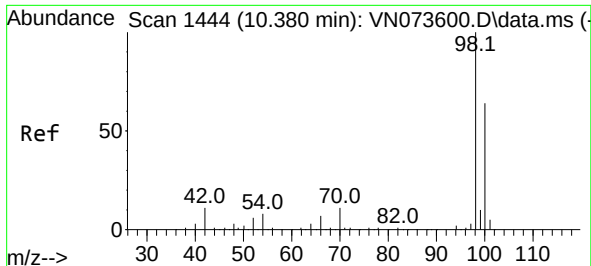
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 59.1 42.2 63.2
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 24.660 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion: 95 Resp: 92328
Ion Ratio Lower Upper
95 100
174 85.7 62.9 94.3
176 83.3 61.0 91.4

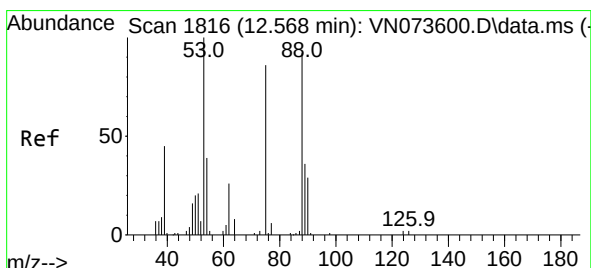
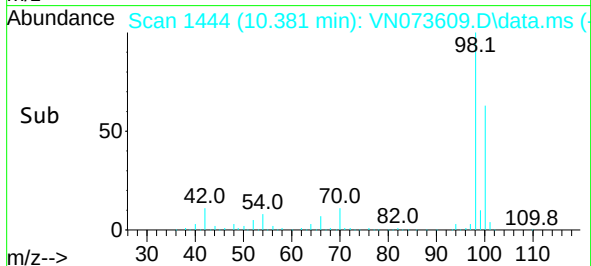
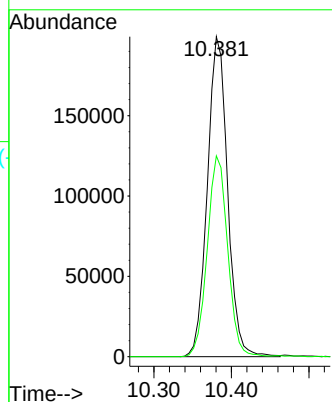
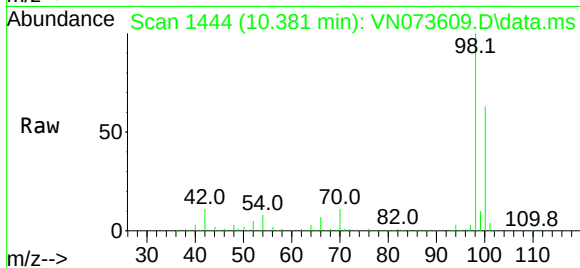




#63
Toluene-d8
Concen: 30.369 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

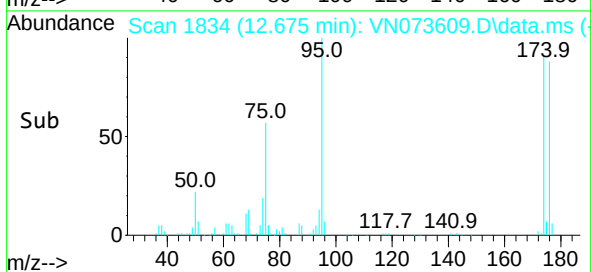
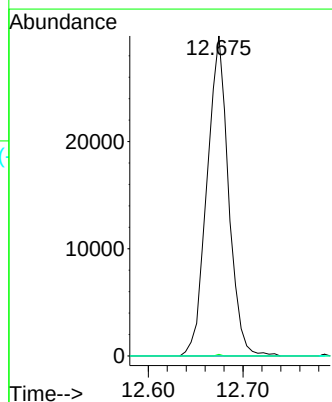
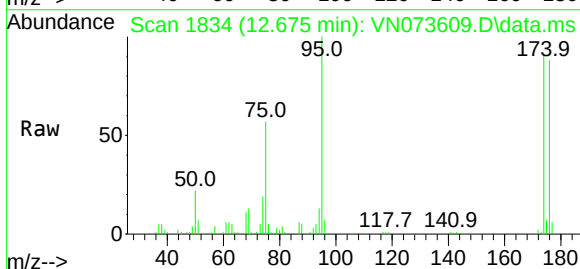
Instrument :
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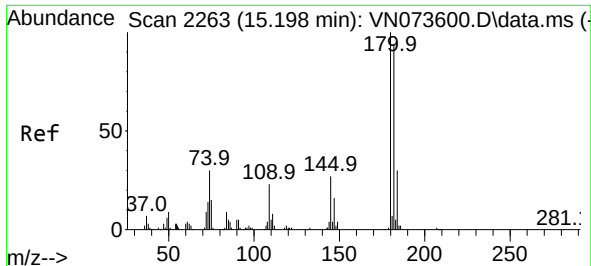
Tgt Ion: 98 Resp: 361577
Ion Ratio Lower Upper
98 100
100 63.2 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 28.874 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073609.D
Acq: 27 Jul 2022 16:02

Tgt Ion: 75 Resp: 47148
Ion Ratio Lower Upper
75 100
53 0.5 51.8 155.5#
89 0.0 22.9 68.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.259 ug/l

RT: 15.198 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073609.D

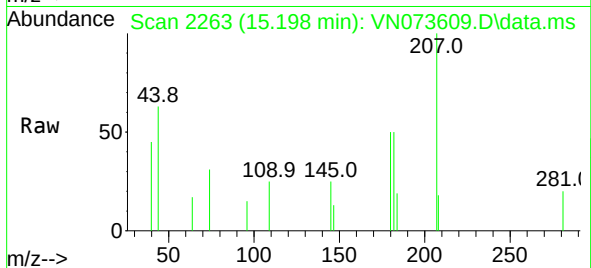
Acq: 27 Jul 2022 16:02

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220722



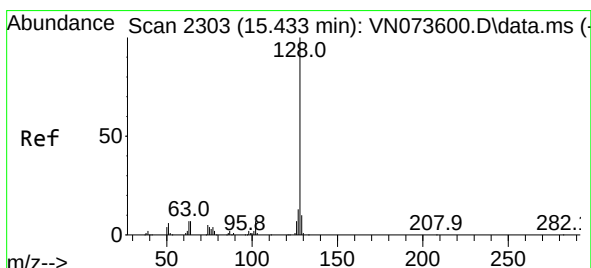
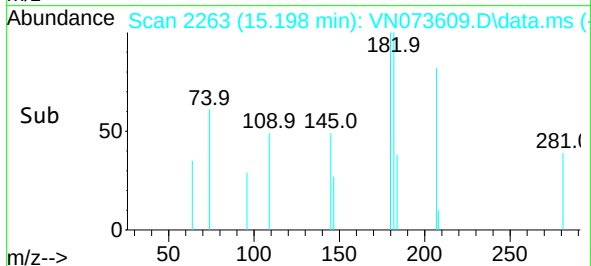
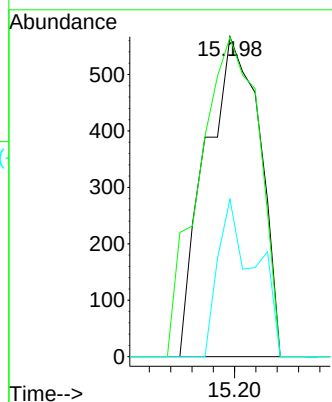
Tgt Ion:180 Resp: 999

Ion Ratio Lower Upper

180 100

182 110.7 77.7 116.5

145 21.4 26.6 39.8#



#91

Naphthalene

Concen: 0.495 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN073609.D

Acq: 27 Jul 2022 16:02

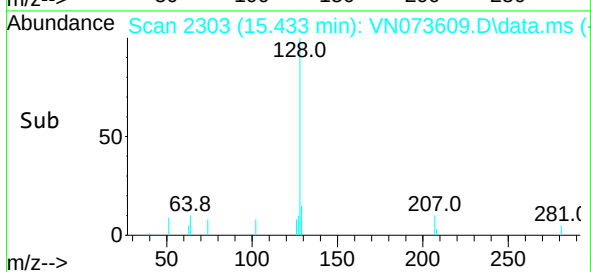
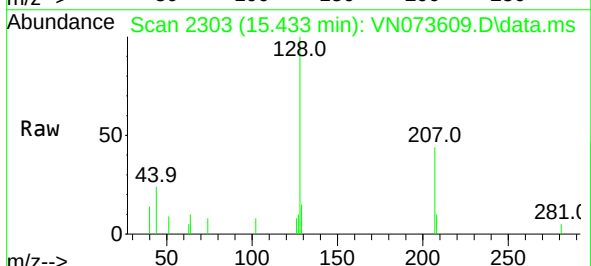
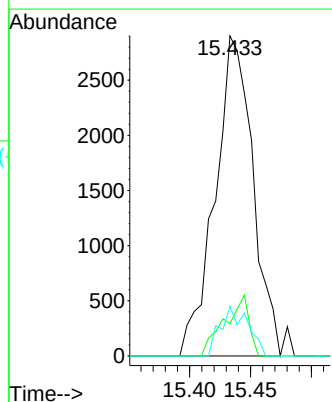
Tgt Ion:128 Resp: 6274

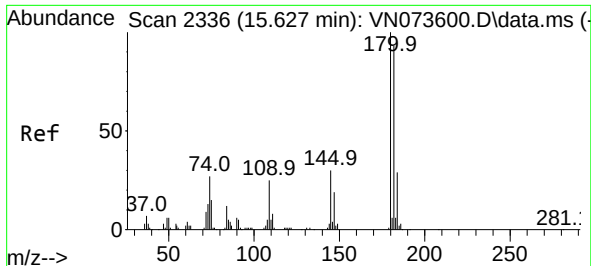
Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

129 11.3 9.0 13.6





#92

1,2,3-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.198 min Scan# 21

Delta R.T. -0.429 min

Lab File: VN073609.D

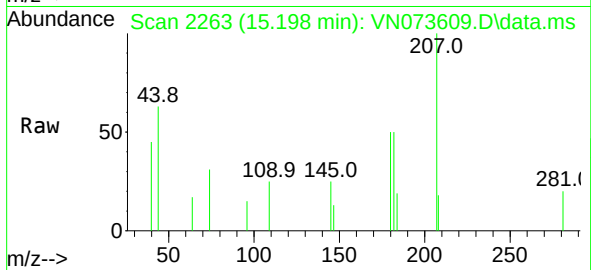
Acq: 27 Jul 2022 16:02

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220722



Tgt Ion:180 Resp: 999

Ion Ratio Lower Upper

180 100

182 110.7 0.0 190.0

145 21.4 0.0 67.8

