

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073634.D
 Acq On : 29 Jul 2022 14:56
 Operator : JC\MD
 Sample : N3958-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220727

Quant Time: Aug 01 03:38:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

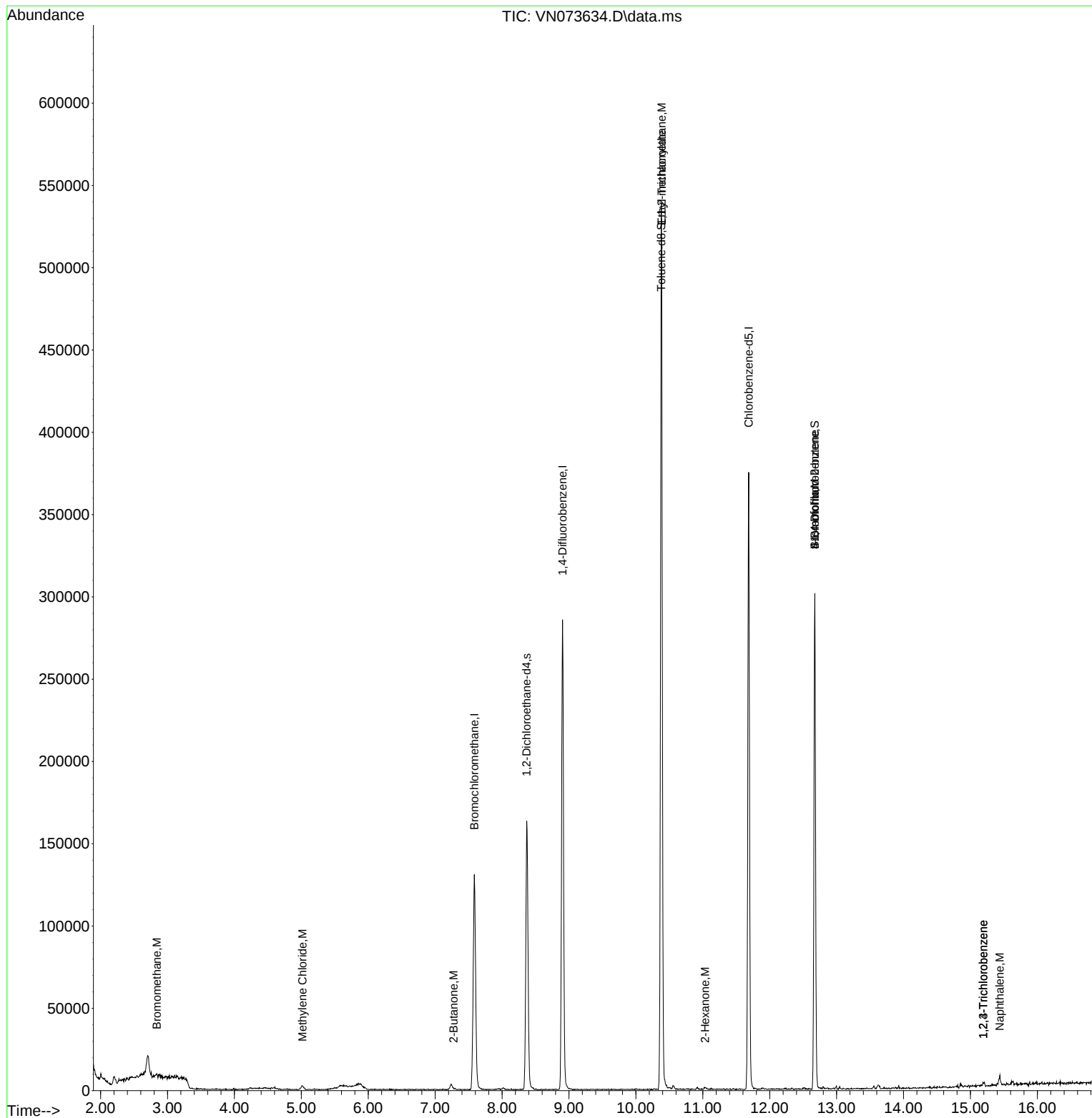
Internal Standards						
1) Bromochloromethane	7.586	128	49847	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	263705	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	224977	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	135239	31.379	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.600%
60) 4-Bromofluorobenzene	12.674	95	98441	24.712	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.367%
63) Toluene-d8	10.380	98	384009	30.313	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.033%
Target Compounds						
						Qvalue
5) Bromomethane	2.840	94	1445	0.517	ug/l	97
18) Methylene Chloride	5.016	84	1775	0.449	ug/l #	71
30) 2-Butanone	7.275	43	683	0.201	ug/l #	53
50) 1,1,2-Trichloroethane	10.386	97	12413	3.031	ug/l #	1
51) Ethyl methacrylate	10.386	69	1240	0.201	ug/l	80
56) Bromoform	12.674	173	971	0.298	ug/l #	1
59) 2-Hexanone	11.033	43	1106	0.247	ug/l #	55
77) t-1,4-Dichloro-2-butene	12.674	75	51451	29.615	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.192	180	984	0.240	ug/l #	78
91) Naphthalene	15.439	128	3022	0.224	ug/l	97
92) 1,2,3-Trichlorobenzene	15.192	180	984	0.233	ug/l	79

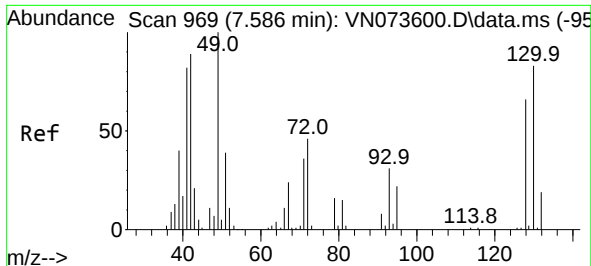
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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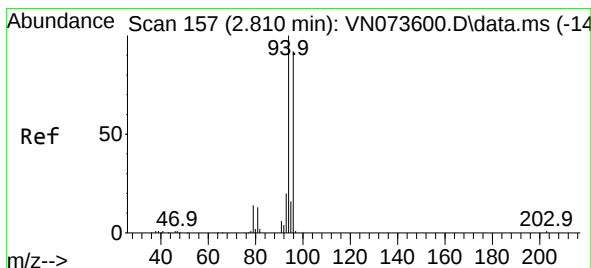
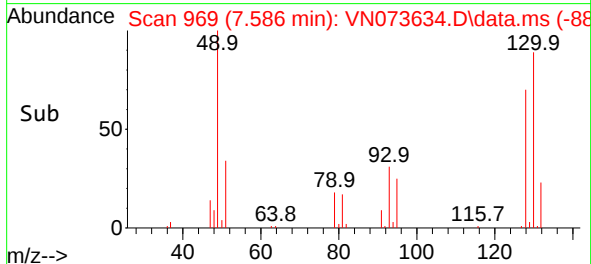
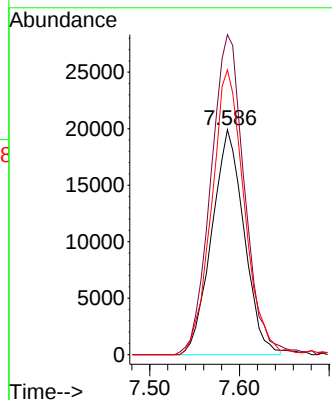
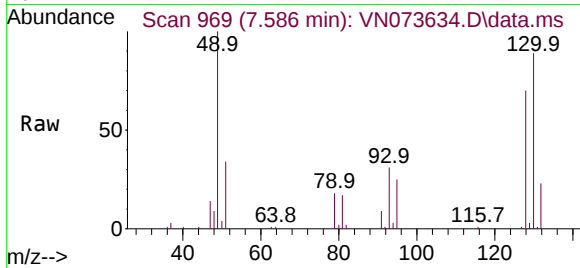




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

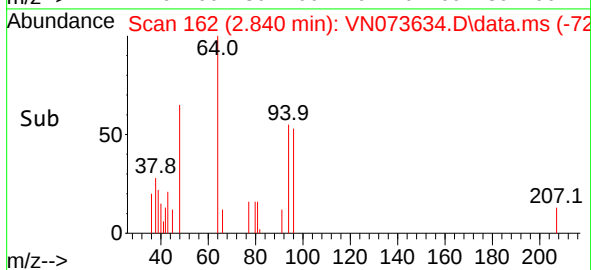
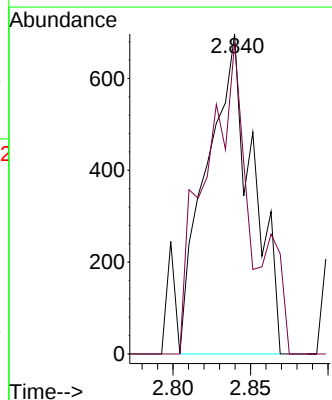
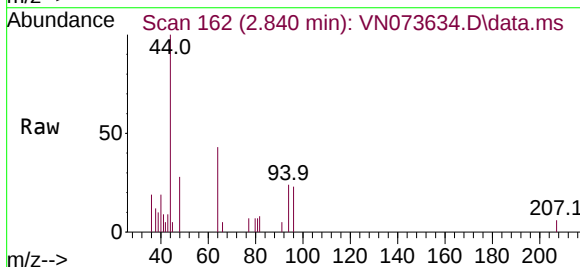
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220727

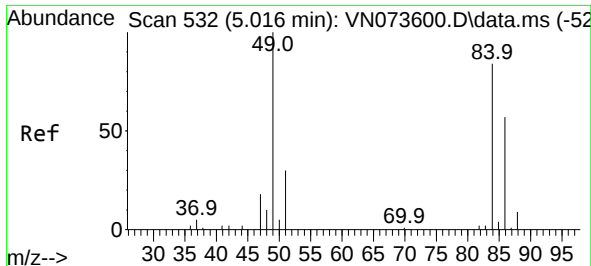
Tgt Ion:128 Resp: 49847
Ion Ratio Lower Upper
128 100
49 148.2 0.0 392.3
130 127.4 0.0 320.2



#5
Bromomethane
Concen: 0.517 ug/l
RT: 2.840 min Scan# 162
Delta R.T. 0.029 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

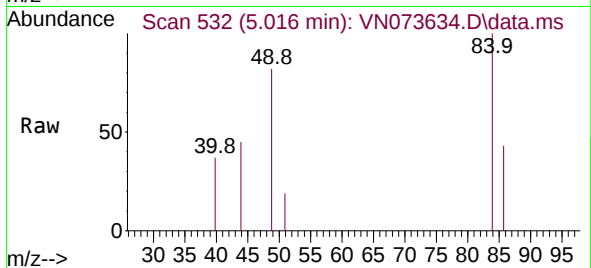
Tgt Ion: 94 Resp: 1445
Ion Ratio Lower Upper
94 100
96 97.3 75.2 112.8





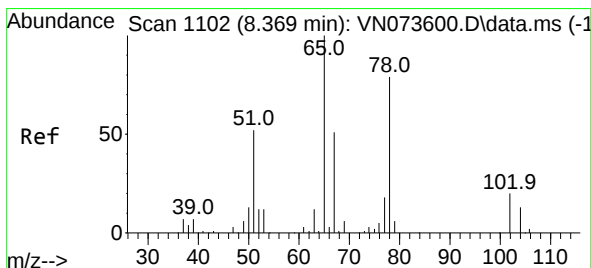
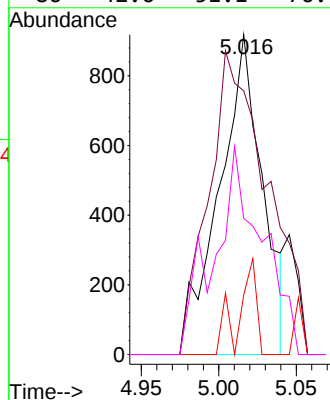
#18
Methylene Chloride
Concen: 0.449 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220727



Tgt Ion: 84 Resp: 1775

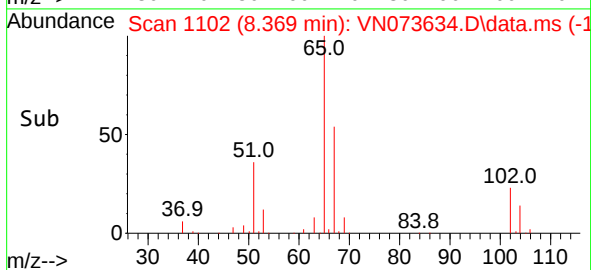
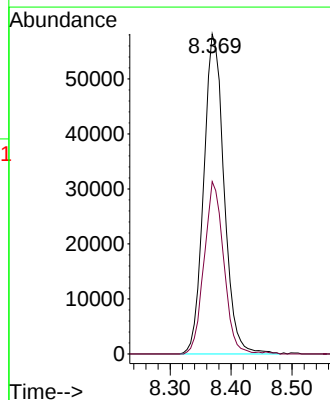
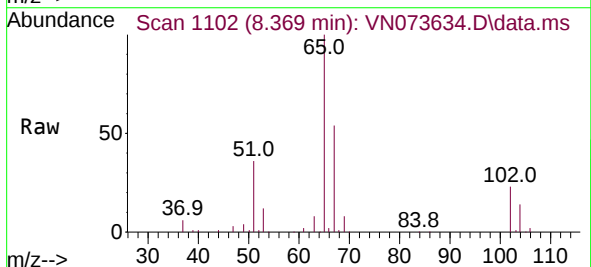
Ion	Ratio	Lower	Upper
84	100		
49	82.5	91.4	137.0#
51	18.6	29.4	44.0#
86	42.6	51.1	76.7#

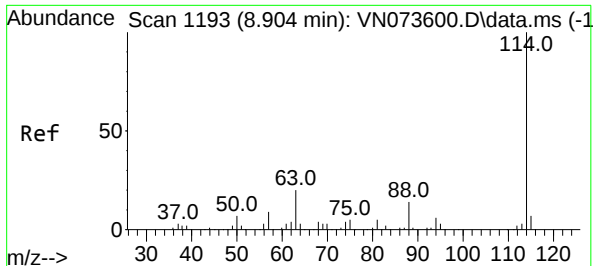


#27
1,2-Dichloroethane-d4
Concen: 31.379 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

Tgt Ion: 65 Resp: 135239

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: VN073634.D

Acq: 29 Jul 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220727

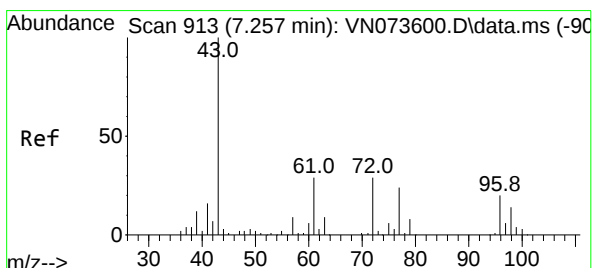
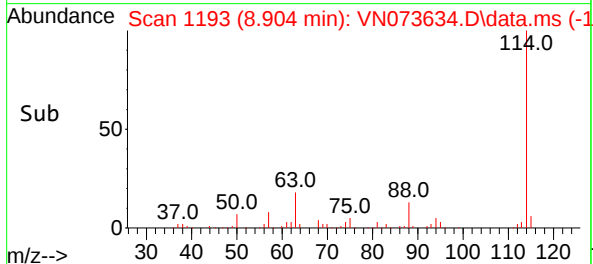
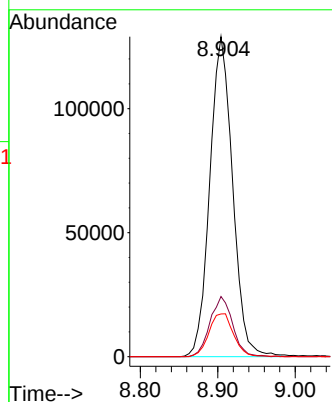
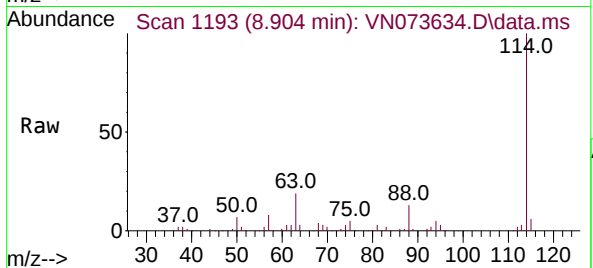
Tgt Ion:114 Resp: 263705

Ion Ratio Lower Upper

114 100

63 18.6 15.8 23.6

88 14.5 11.6 17.4



#30

2-Butanone

Concen: 0.201 ug/l

RT: 7.275 min Scan# 916

Delta R.T. 0.018 min

Lab File: VN073634.D

Acq: 29 Jul 2022 14:56

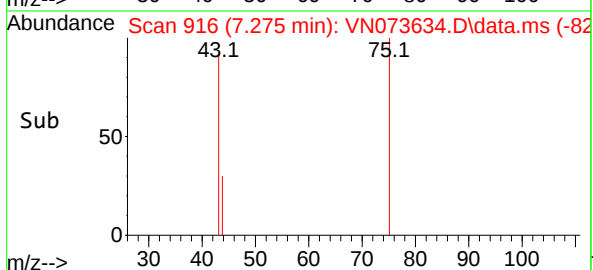
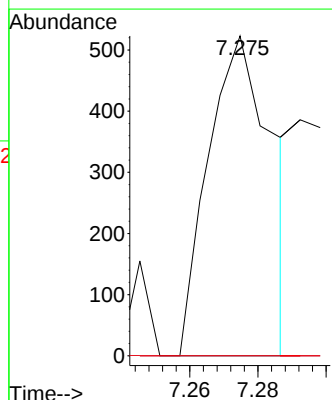
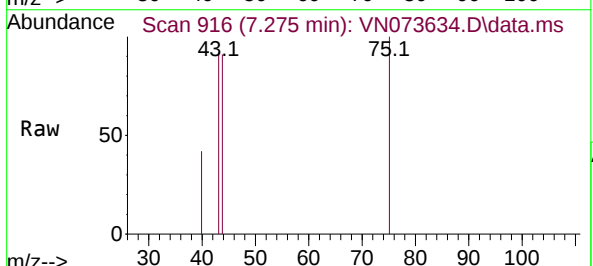
Tgt Ion: 43 Resp: 683

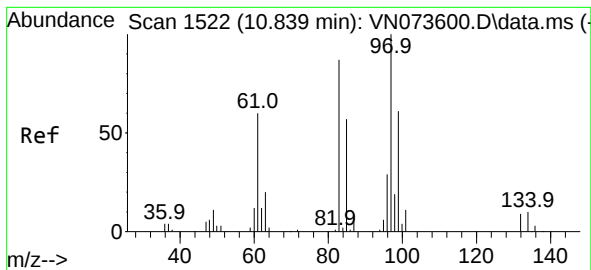
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#

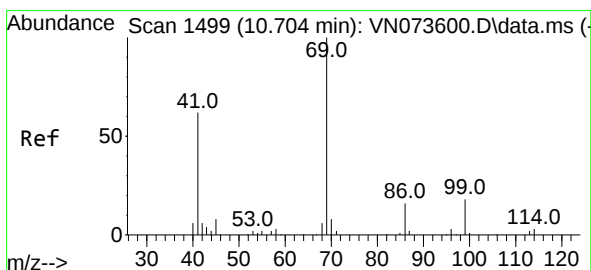
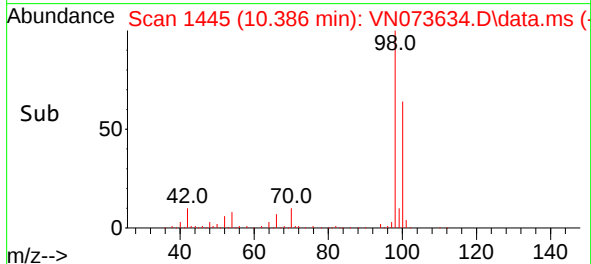
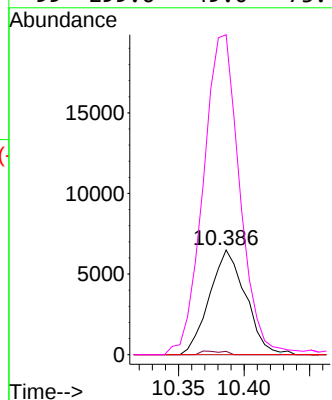
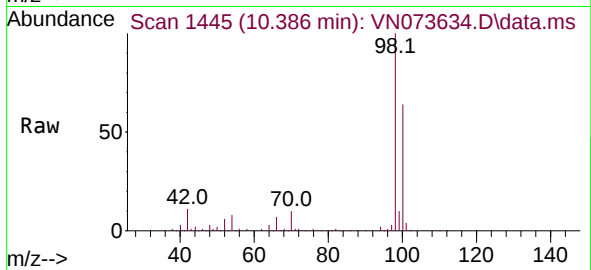




#50
1,1,2-Trichloroethane
Concen: 3.031 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.453 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

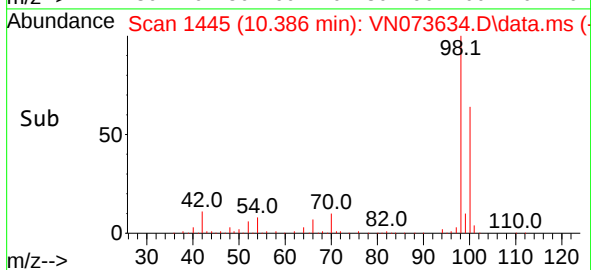
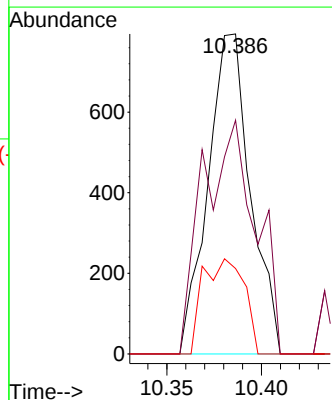
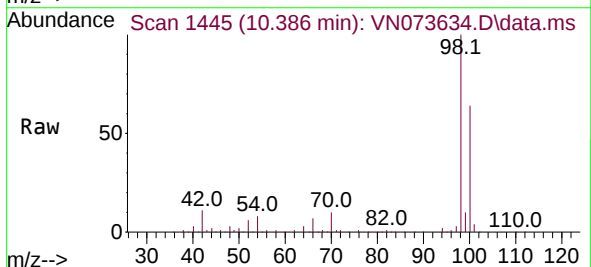
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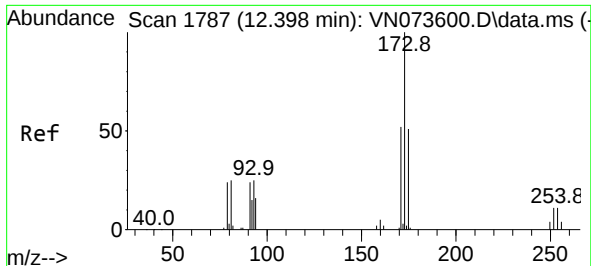
Tgt Ion: 97	Resp:	12413
Ion	Ratio	Lower Upper
97	100	
83	3.3	67.2 100.8#
85	0.0	43.0 64.4#
99	299.6	49.0 73.4#



#51
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.318 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

Tgt Ion: 69	Resp:	1240
Ion	Ratio	Lower Upper
69	100	
41	73.0	33.0 98.9
39	26.7	25.4 76.4

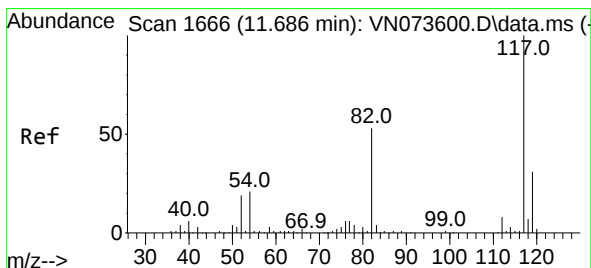
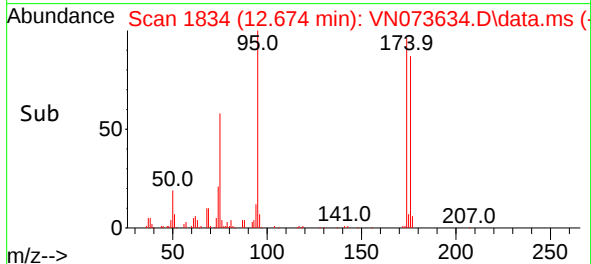
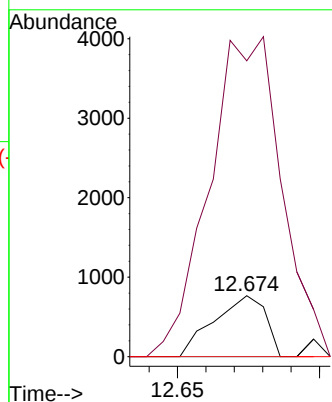
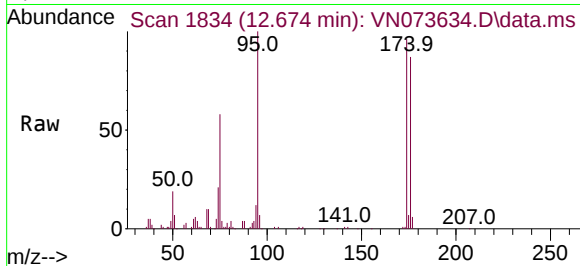




#56
Bromoform
Concen: 0.298 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.276 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

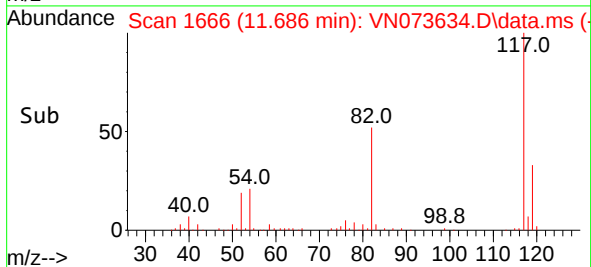
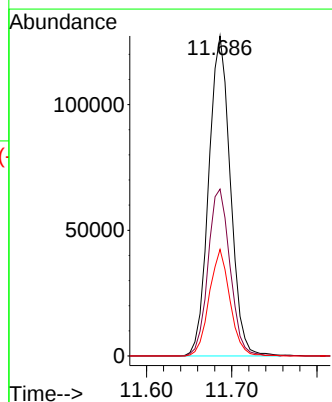
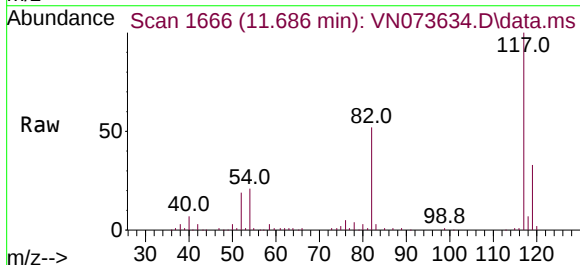
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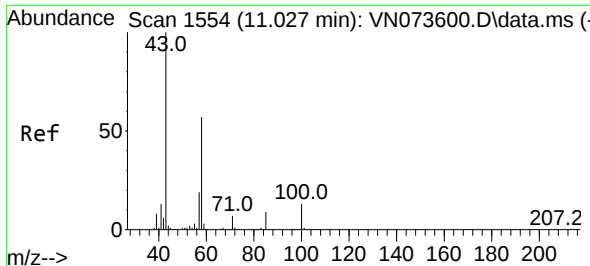
Tgt Ion:173 Resp: 971
Ion Ratio Lower Upper
173 100
175 734.7 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

Tgt Ion:117 Resp: 224977
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 31.9 25.8 38.6

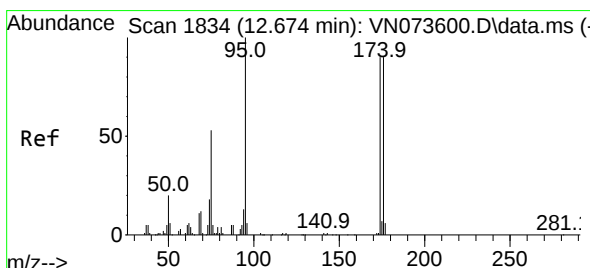
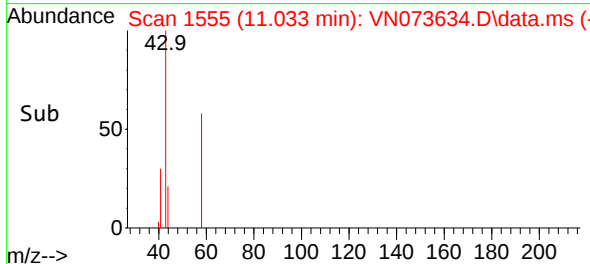
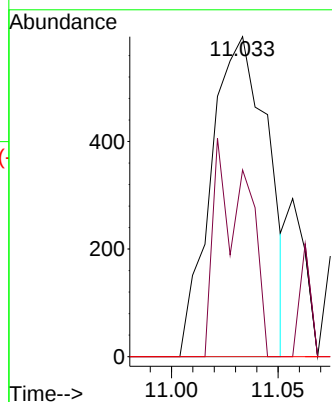
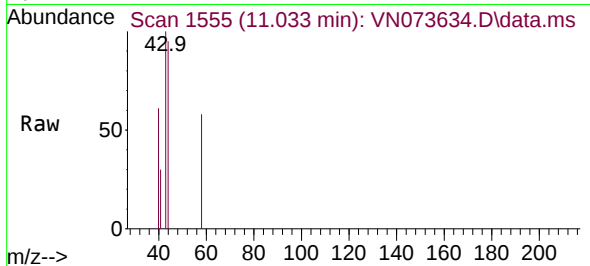




#59
2-Hexanone
Concen: 0.247 ug/l
RT: 11.033 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

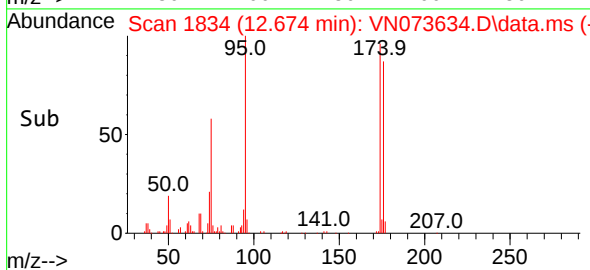
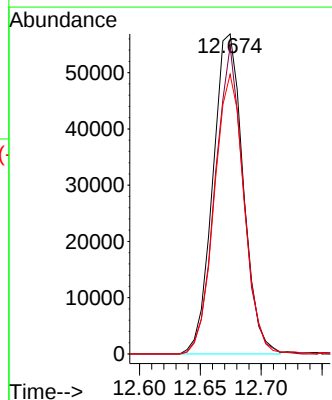
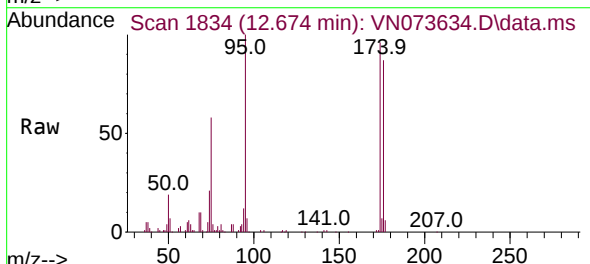
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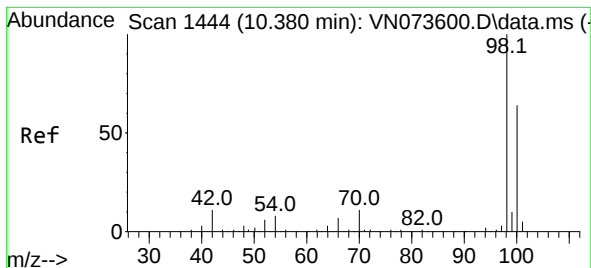
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
58 19.9 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 24.712 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073634.D
Acq: 29 Jul 2022 14:56

Tgt Ion: 95 Resp: 98441
Ion Ratio Lower Upper
95 100
174 89.2 62.9 94.3
176 86.1 61.0 91.4





#63

Toluene-d8

Concen: 30.313 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073634.D

Acq: 29 Jul 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

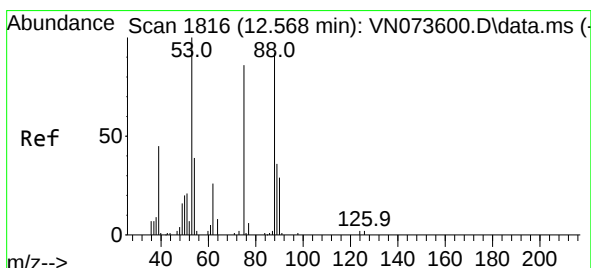
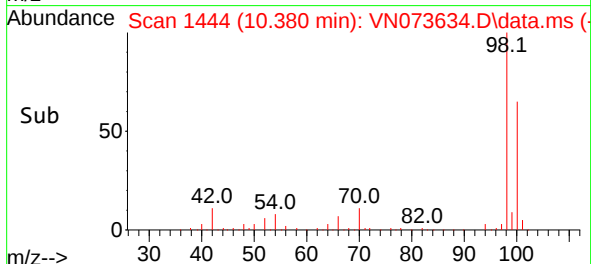
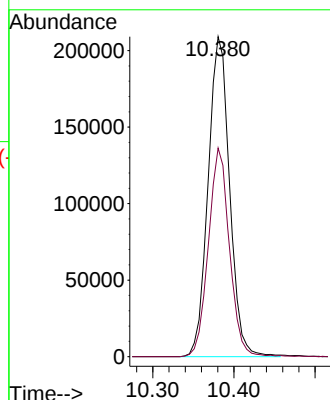
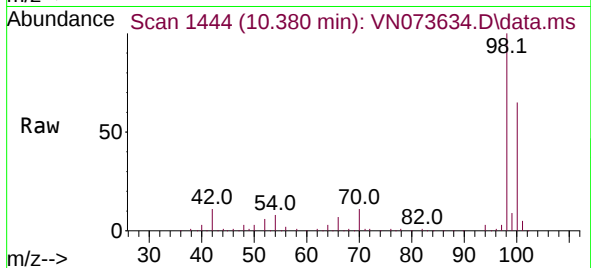
TT-TB-20220727

Tgt Ion: 98 Resp: 384009

Ion Ratio Lower Upper

98 100

100 63.7 50.6 76.0



#77

t-1,4-Dichloro-2-butene

Concen: 29.615 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.106 min

Lab File: VN073634.D

Acq: 29 Jul 2022 14:56

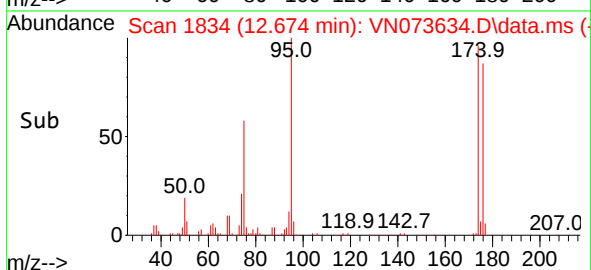
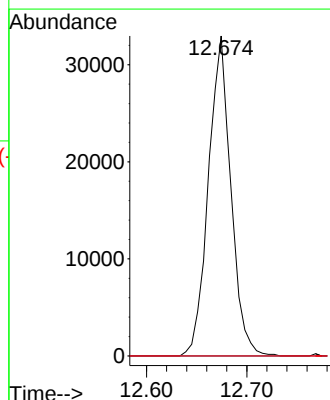
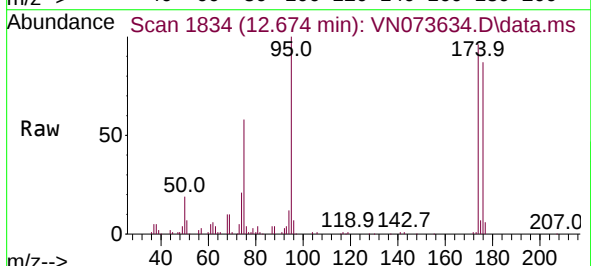
Tgt Ion: 75 Resp: 51451

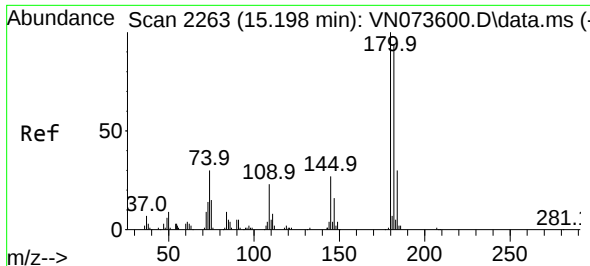
Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.240 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN073634.D

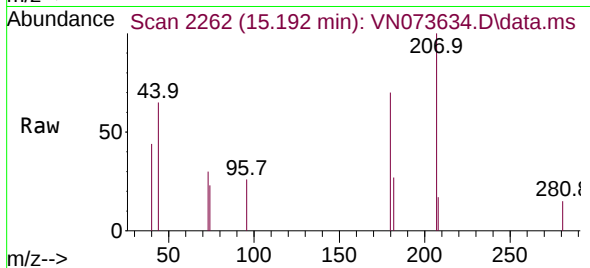
Acq: 29 Jul 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220727



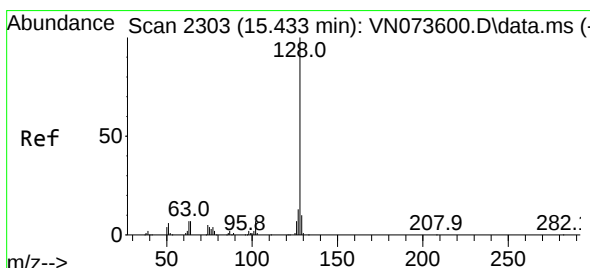
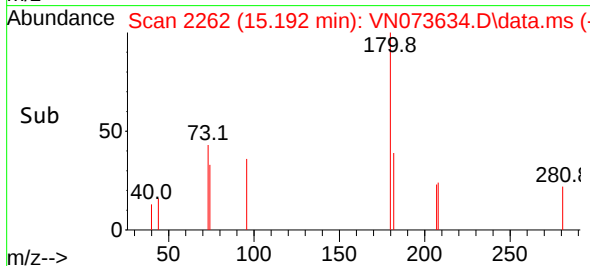
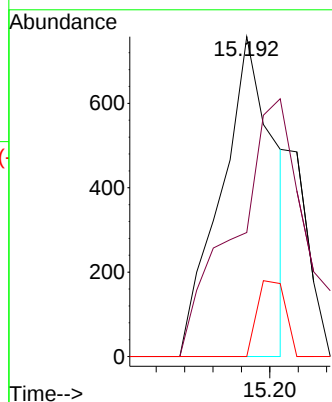
Tgt Ion:180 Resp: 984

Ion Ratio Lower Upper

180 100

182 79.9 77.7 116.5

145 12.7 26.6 39.8#



#91

Naphthalene

Concen: 0.224 ug/l

RT: 15.439 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN073634.D

Acq: 29 Jul 2022 14:56

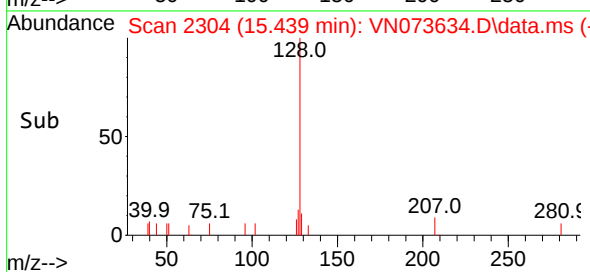
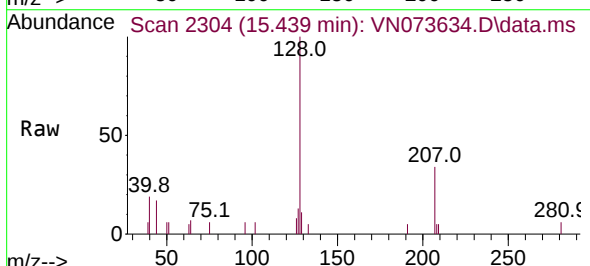
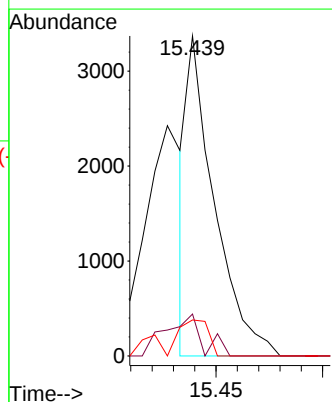
Tgt Ion:128 Resp: 3022

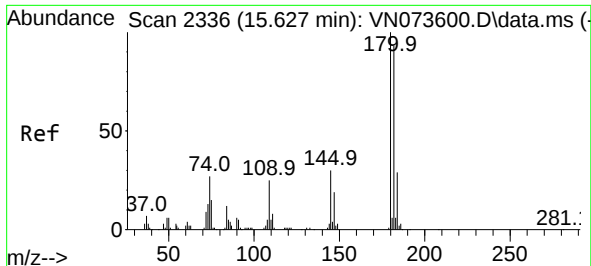
Ion Ratio Lower Upper

128 100

127 14.9 10.7 16.1

129 12.2 9.0 13.6





#92

1,2,3-Trichlorobenzene

Concen: 0.233 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.435 min

Lab File: VN073634.D

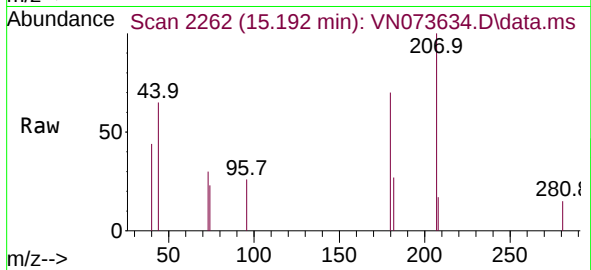
Acq: 29 Jul 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220727



Tgt Ion:180 Resp: 984

Ion Ratio Lower Upper

180 100

182 79.9 0.0 190.0

145 12.7 0.0 67.8

