

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073722.D
 Acq On : 03 Aug 2022 19:31
 Operator : JC\MD
 Sample : N3972-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-07-28

Quant Time: Aug 04 05:38:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

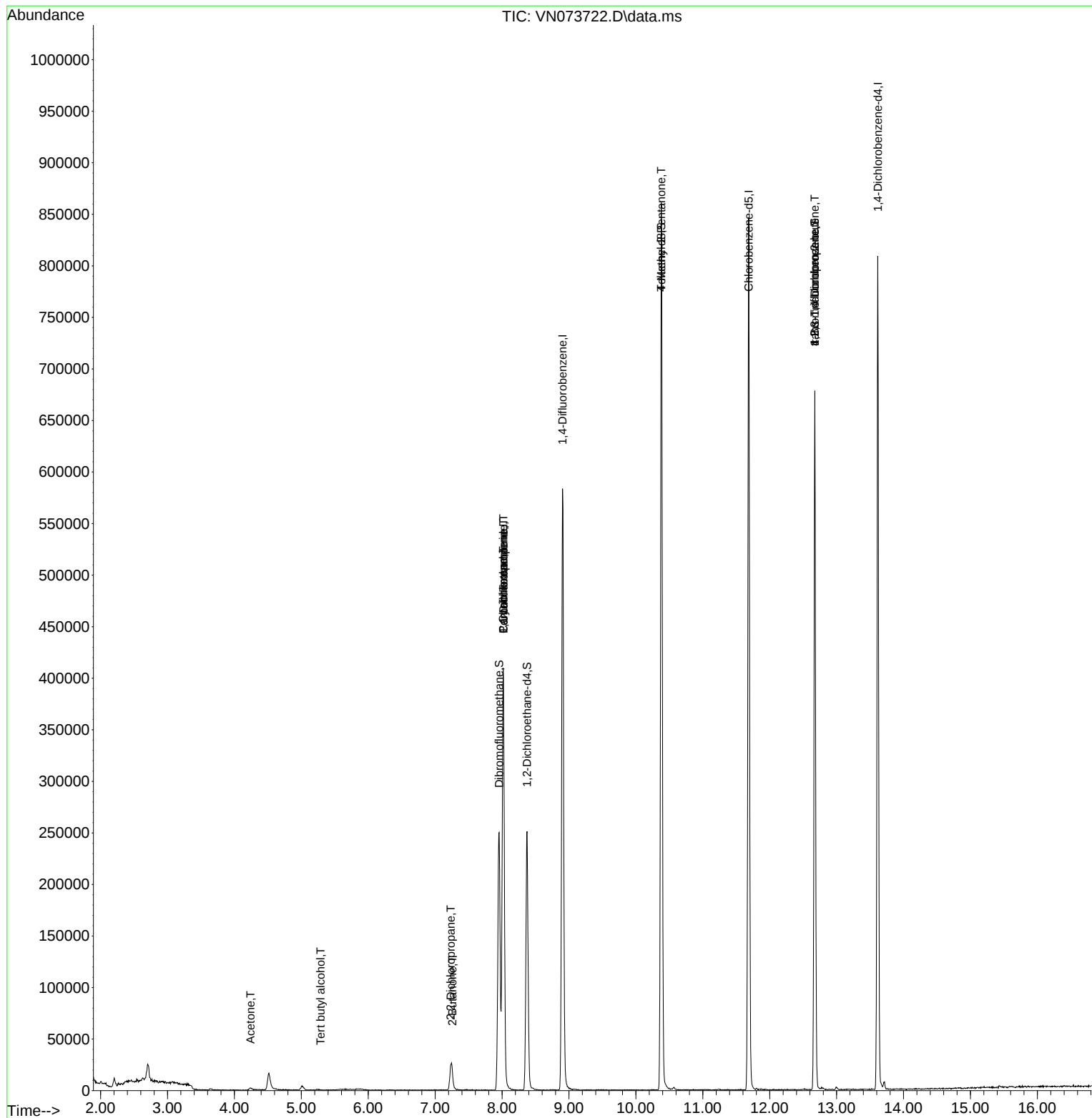
Internal Standards						
1) Pentafluorobenzene	8.022	168	331408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	538832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	498618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	224042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	203864	50.477	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.960%		
35) Dibromofluoromethane	7.957	113	188886	55.825	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 111.660%		
50) Toluene-d8	10.380	98	609977	45.813	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.620%		
62) 4-Bromofluorobenzene	12.674	95	213561	48.323	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1225	Below Cal	#	76
6) Chloroethane	2.993	64	272	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	280	0.321	ug/l #	72
16) Acetone	4.240	43	3704	1.708	ug/l #	81
20) Methylene Chloride	5.010	84	1853	Below Cal	#	82
25) 2-Butanone	7.257	43	1631	0.484	ug/l #	45
26) 2,2-Dichloropropane	7.234	77	1876	0.365	ug/l #	53
31) Cyclohexane	8.016	56	6506	1.082	ug/l #	18
36) 1,1-Dichloropropene	8.022	75	24921	5.168	ug/l #	49
38) Carbon Tetrachloride	8.022	117	31926	6.518	ug/l #	17
51) 4-Methyl-2-Pentanone	10.380	43	2462	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	110984	25.459	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	110984	64.197	ug/l #	10

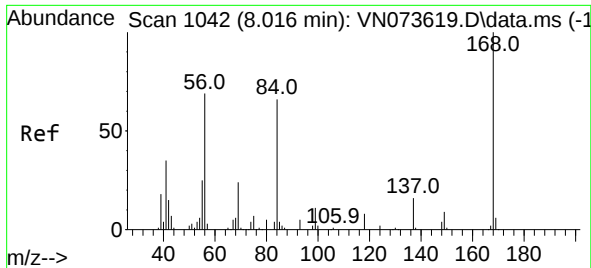
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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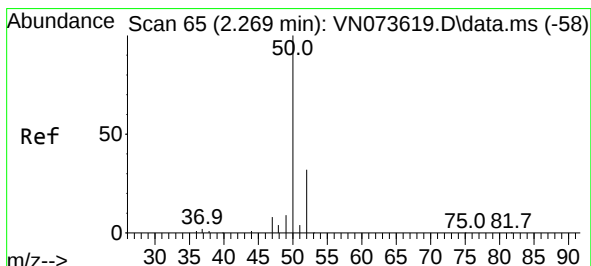
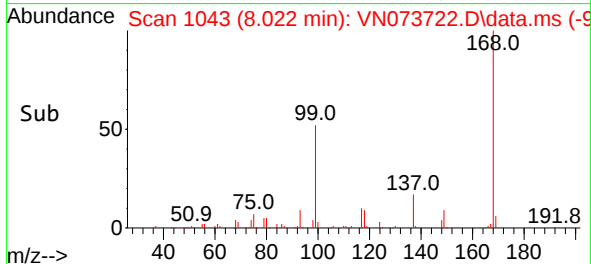
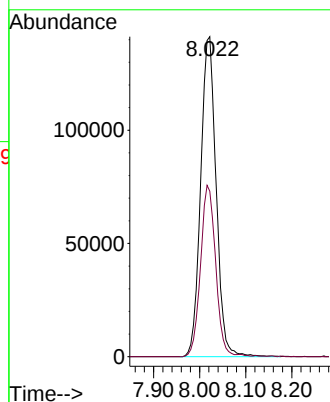
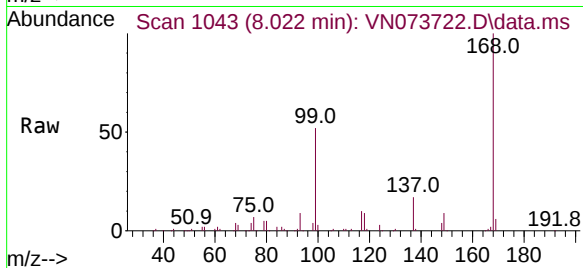




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

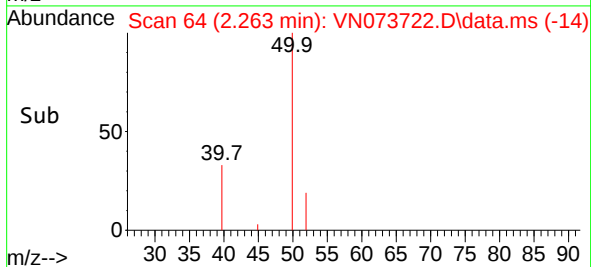
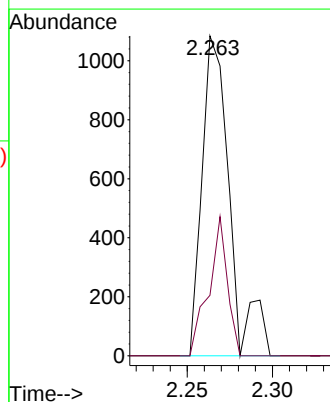
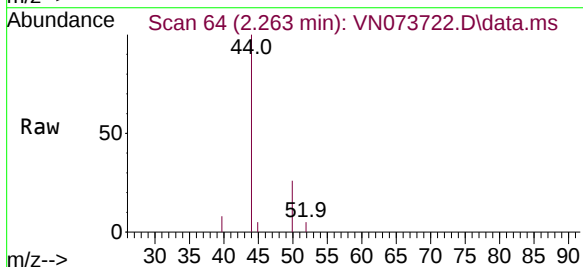
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-07-28

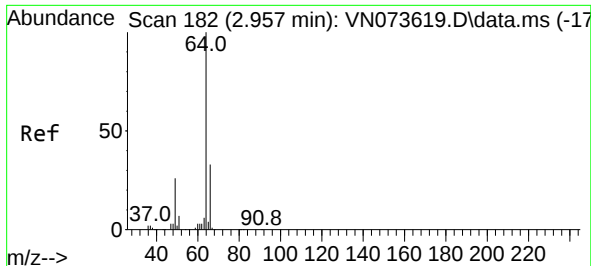
Tgt Ion:168 Resp: 331408
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 18.9 25.7 38.5#

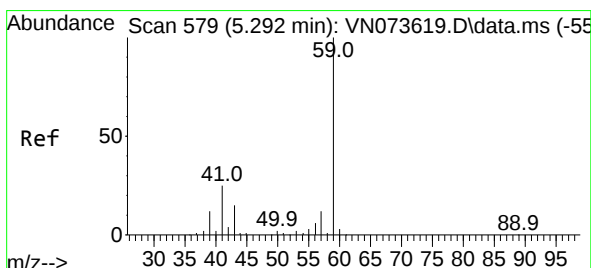
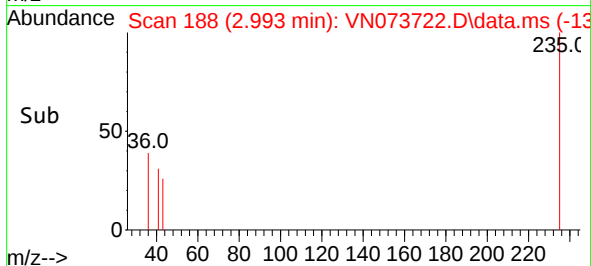
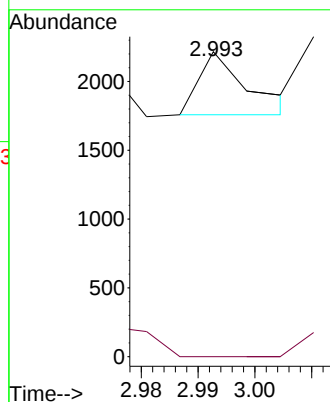
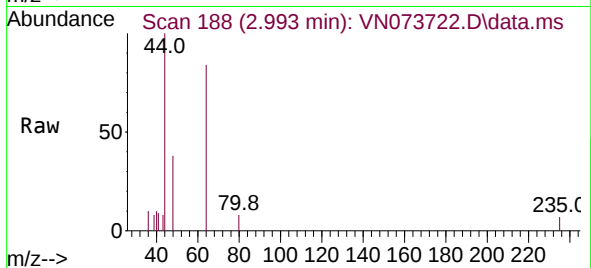




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

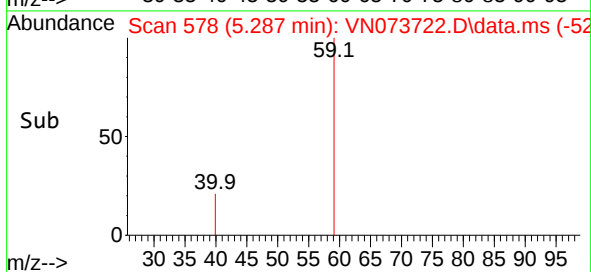
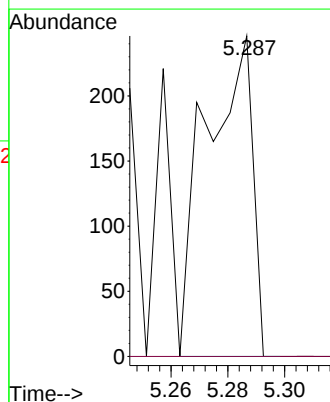
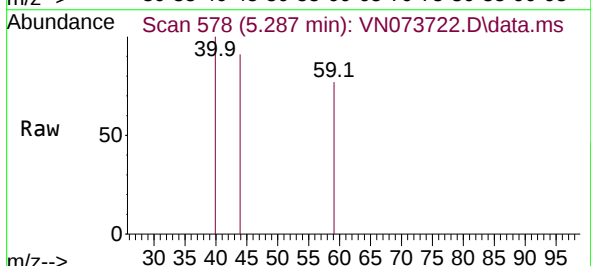
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-07-28

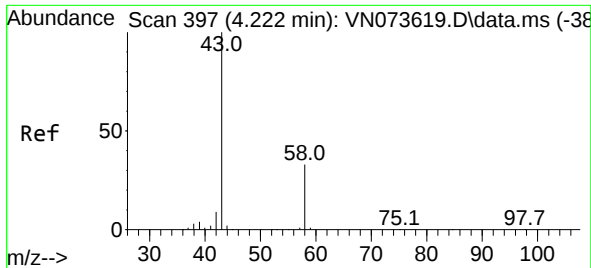
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.321 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.708 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

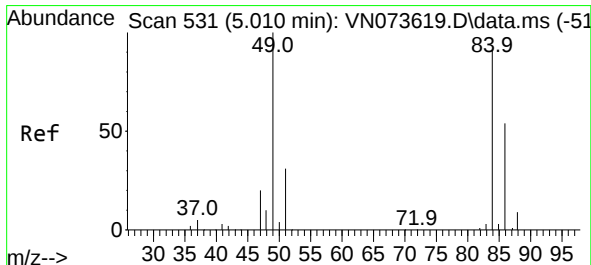
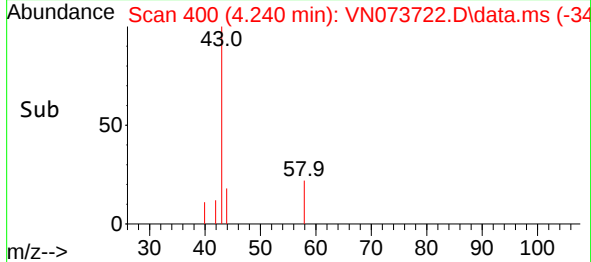
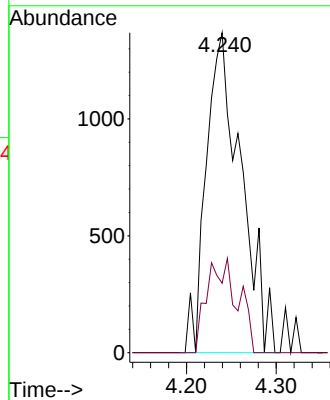
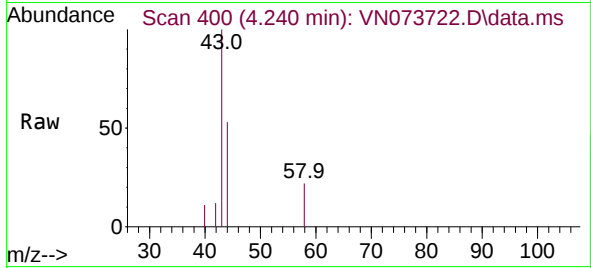
TB-2022-07-28

Tgt Ion: 43 Resp: 3704

Ion Ratio Lower Upper

43 100

58 21.7 26.0 39.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

Tgt Ion: 84 Resp: 1853

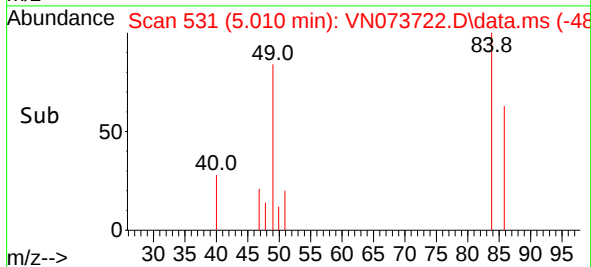
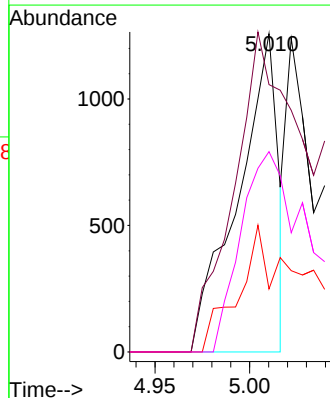
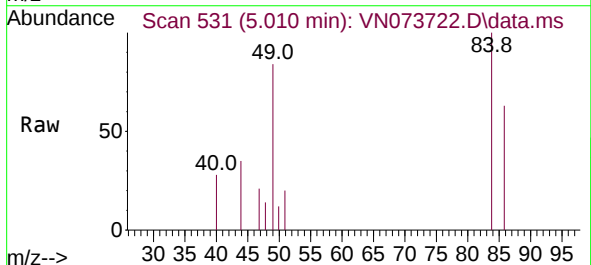
Ion Ratio Lower Upper

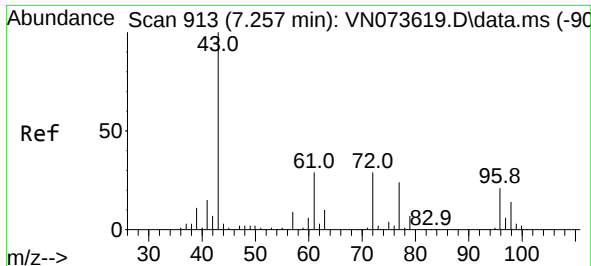
84 100

49 84.0 88.3 132.5#

51 19.8 28.2 42.2#

86 63.0 50.6 76.0





#25

2-Butanone

Concen: 0.484 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.000 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

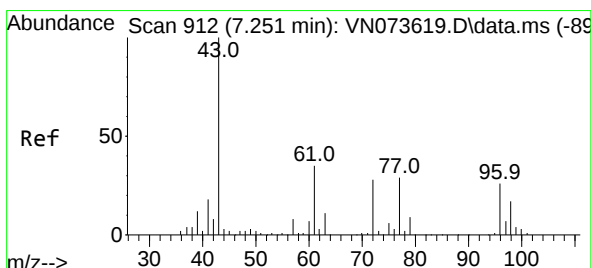
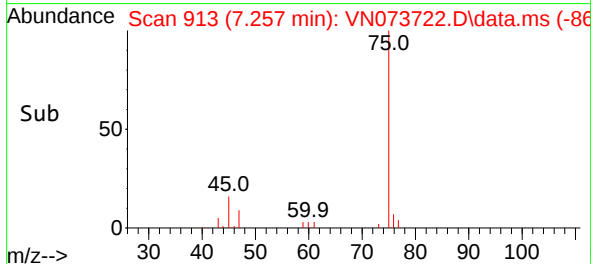
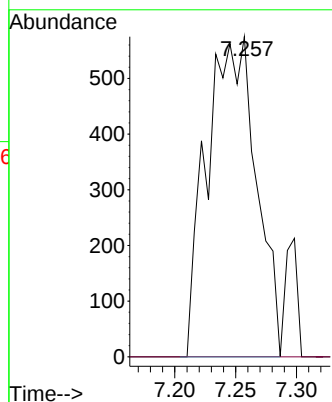
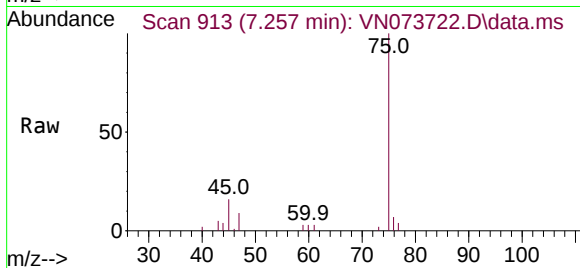
TB-2022-07-28

Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.365 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.018 min

Lab File: VN073722.D

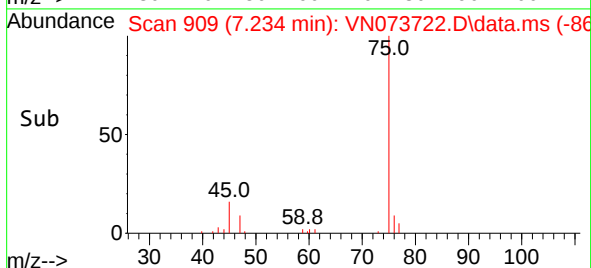
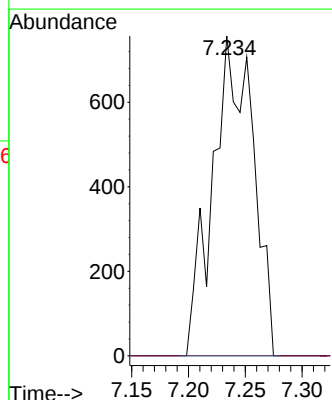
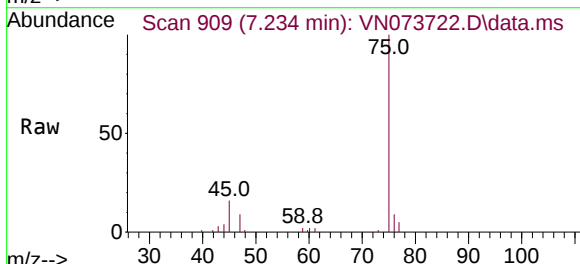
Acq: 03 Aug 2022 19:31

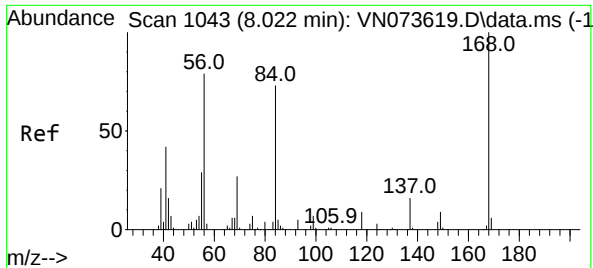
Tgt Ion: 77 Resp: 1876

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

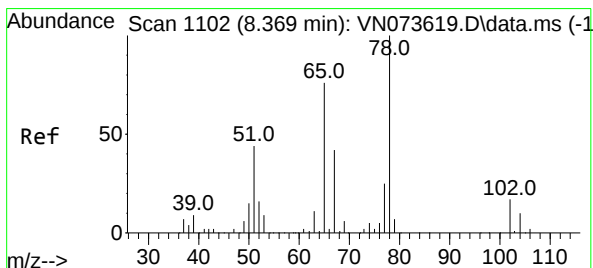
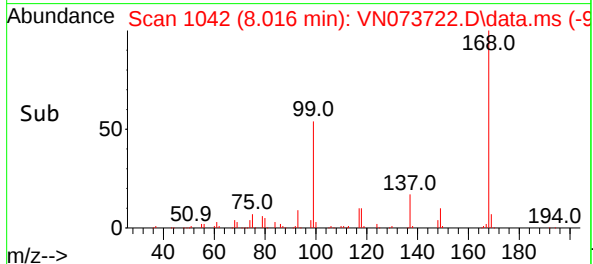
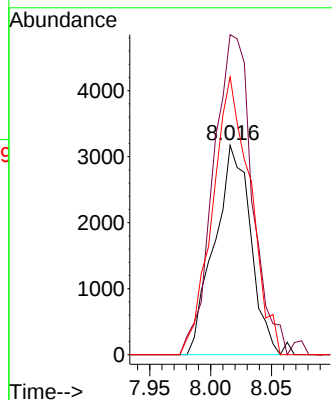
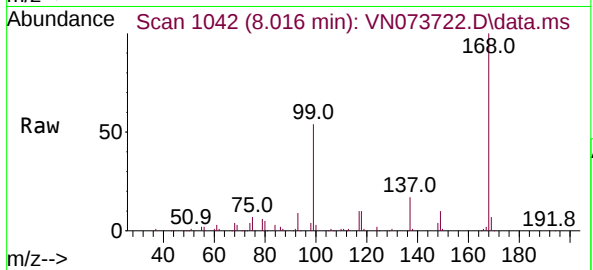




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

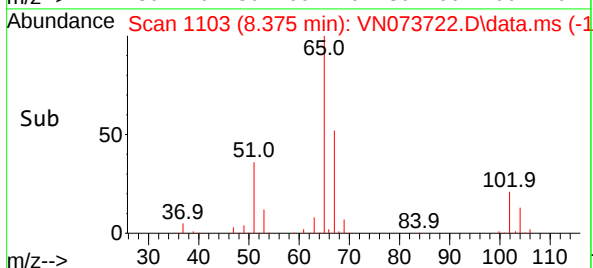
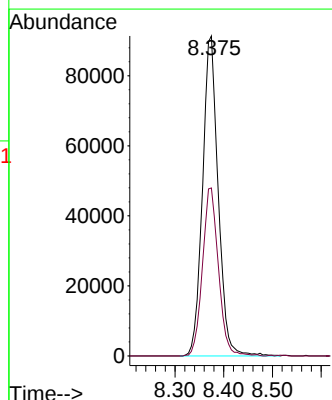
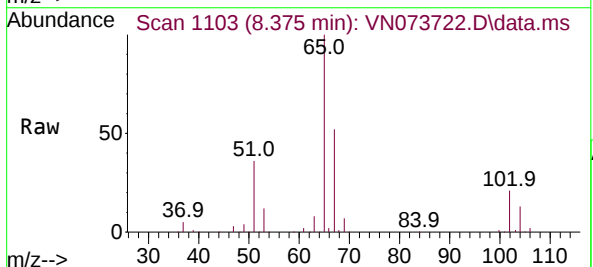
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TB-2022-07-28

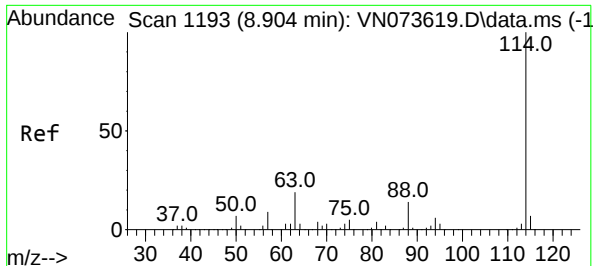
Tgt Ion: 56 Resp: 6506
Ion Ratio Lower Upper
56 100
69 152.8 27.8 41.8#
84 132.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.477 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

Tgt Ion: 65 Resp: 203864
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-07-28

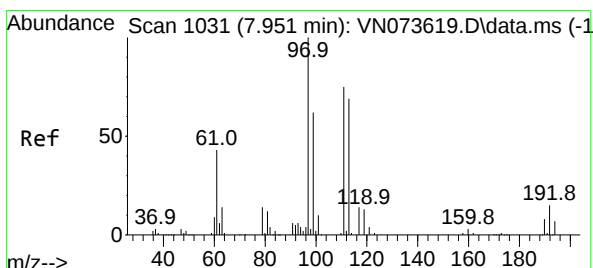
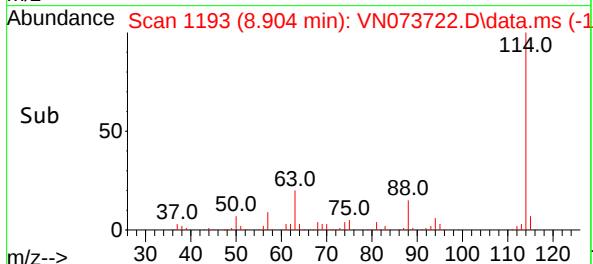
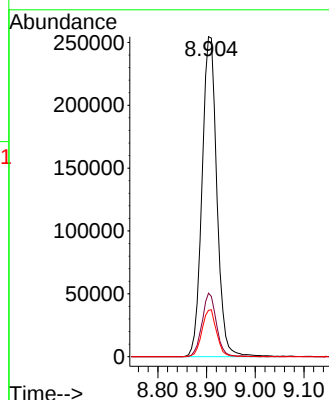
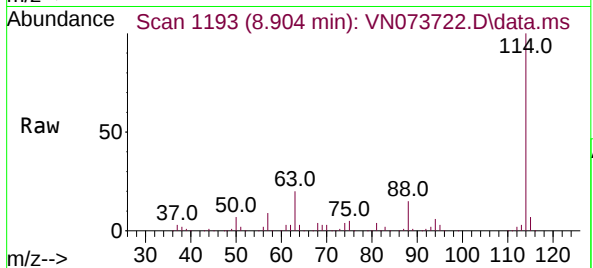
Tgt Ion:114 Resp: 538832

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 14.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.825 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

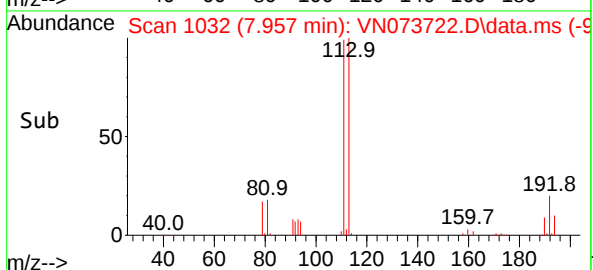
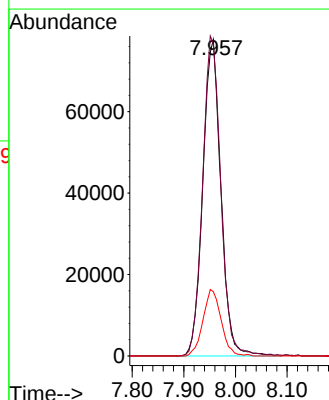
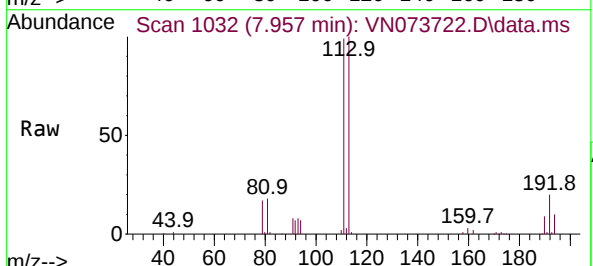
Tgt Ion:113 Resp: 188886

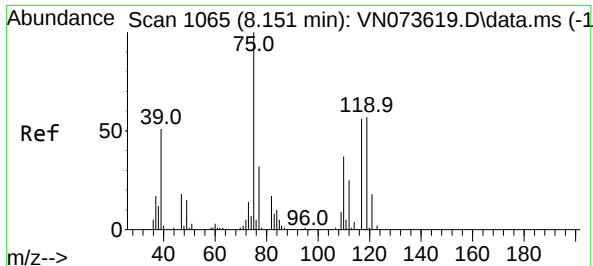
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 21.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

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TB-2022-07-28

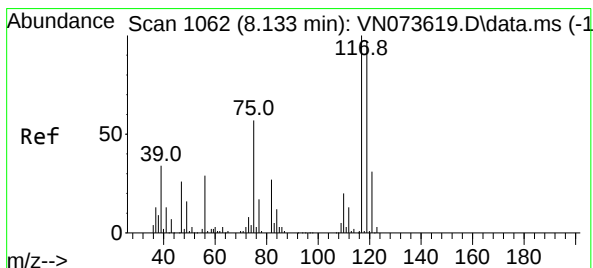
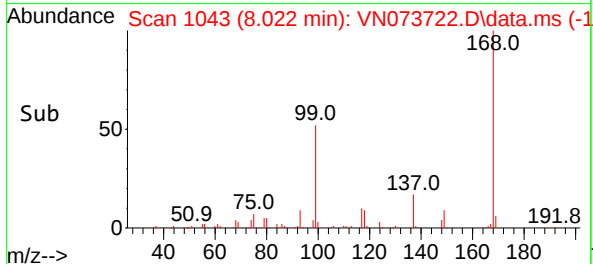
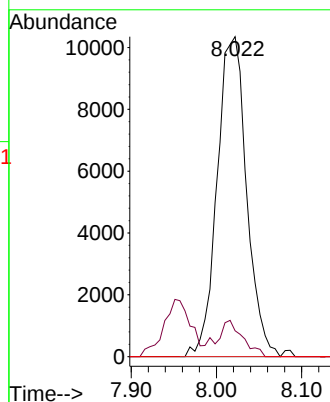
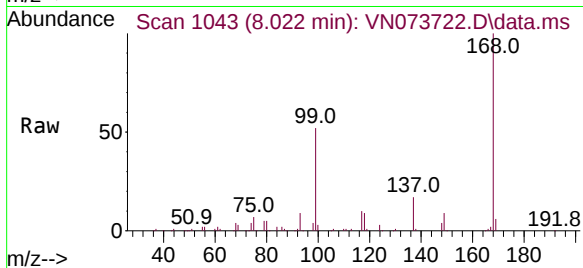
Tgt Ion: 75 Resp: 24921

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.518 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN073722.D

Acq: 03 Aug 2022 19:31

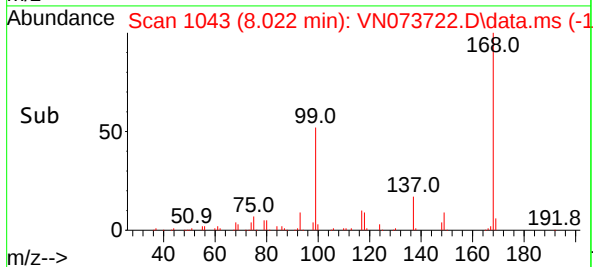
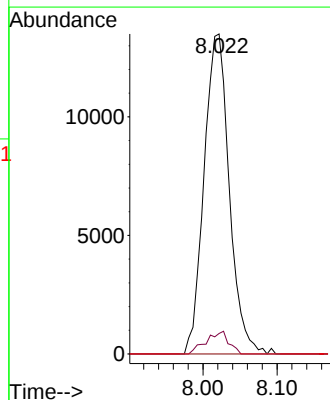
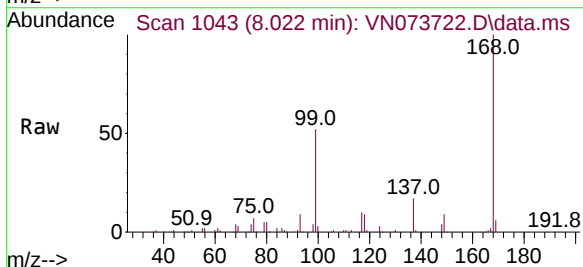
Tgt Ion: 117 Resp: 31926

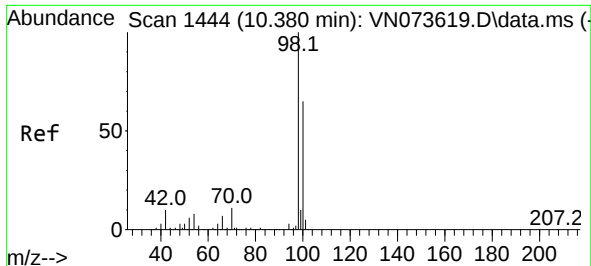
Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.8#

121 0.0 24.6 37.0#

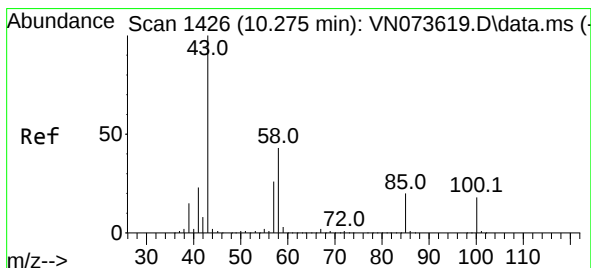
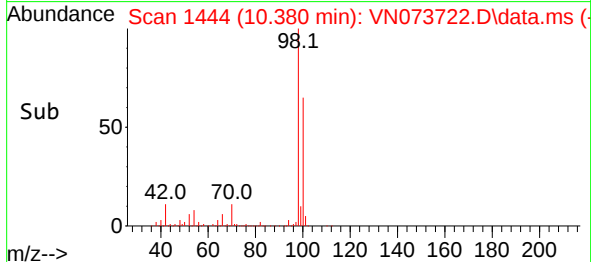
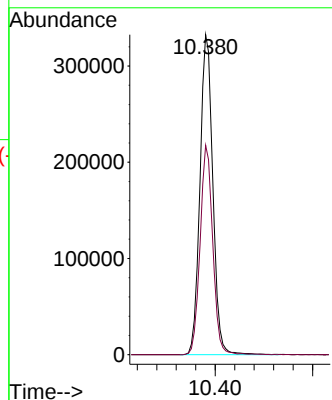
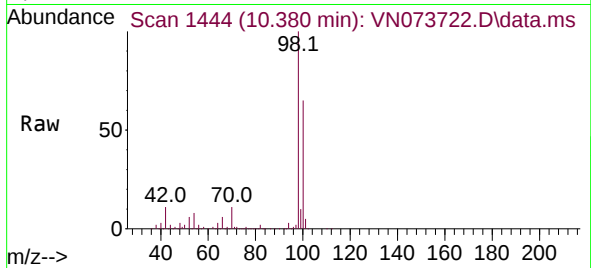




#50
Toluene-d8
Concen: 45.813 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

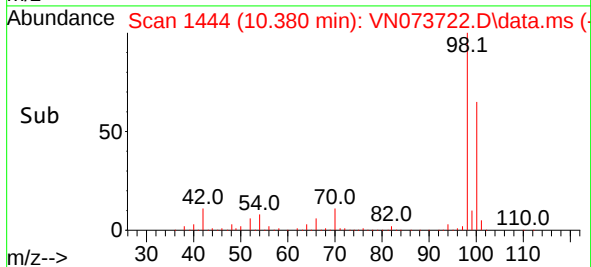
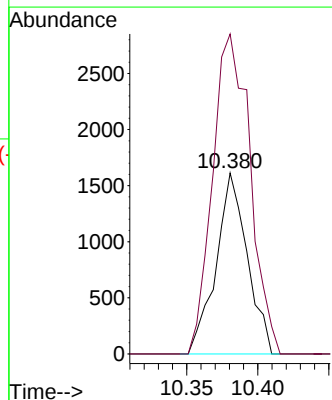
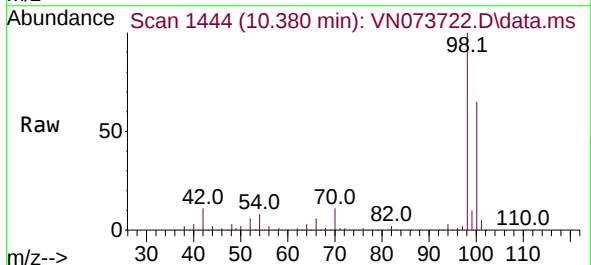
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-07-28

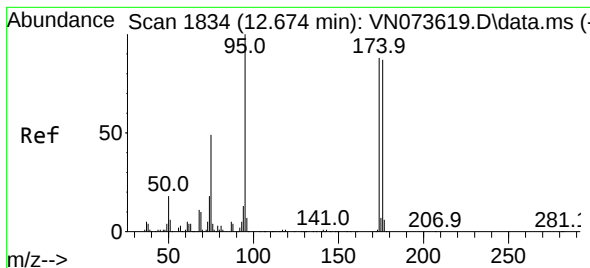
Tgt Ion: 98 Resp: 609977
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.400 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.105 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

Tgt Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
58 212.7 34.1 51.1#

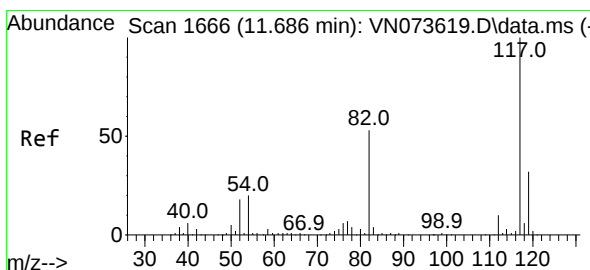
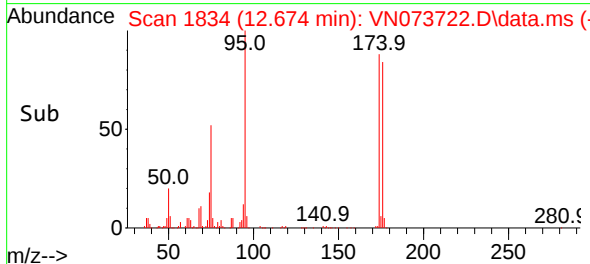
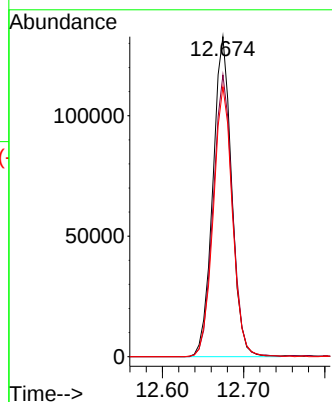
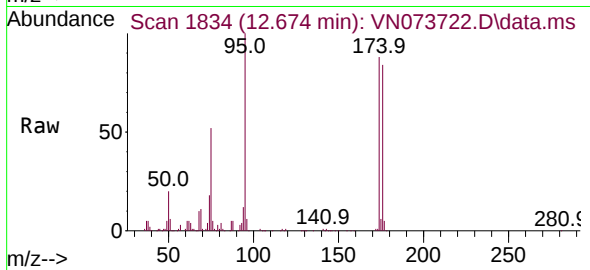




#62
4-Bromofluorobenzene
Concen: 48.323 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

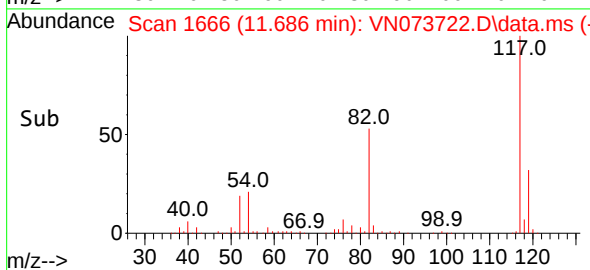
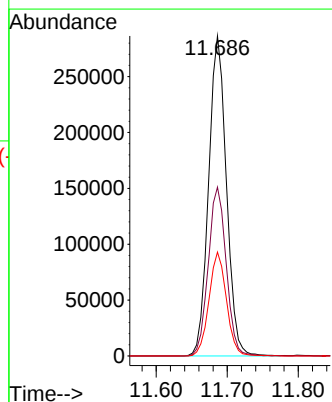
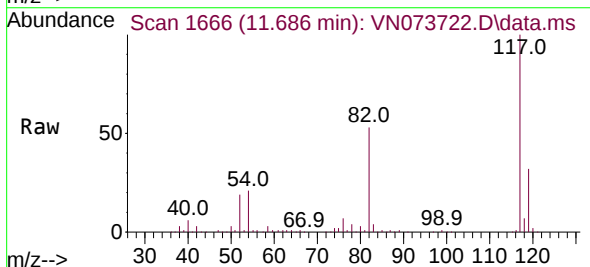
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-07-28

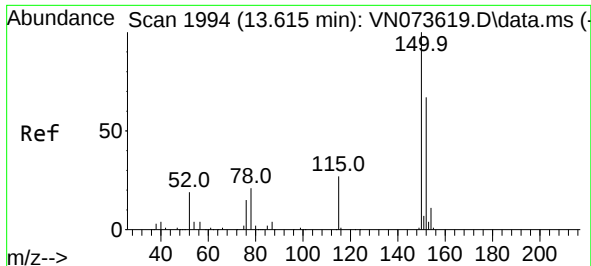
Tgt Ion: 95 Resp: 213561
Ion Ratio Lower Upper
95 100
174 90.2 0.0 167.6
176 86.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073722.D
Acq: 03 Aug 2022 19:31

Tgt Ion: 117 Resp: 498618
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 32.5 25.4 38.0

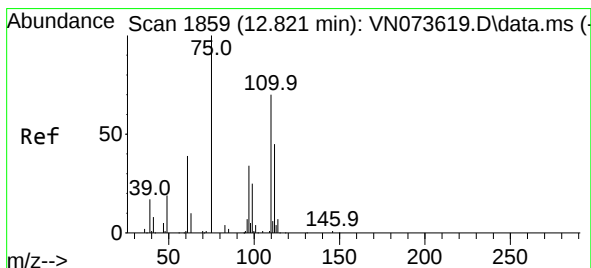
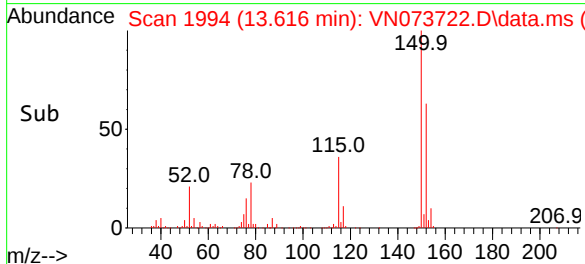
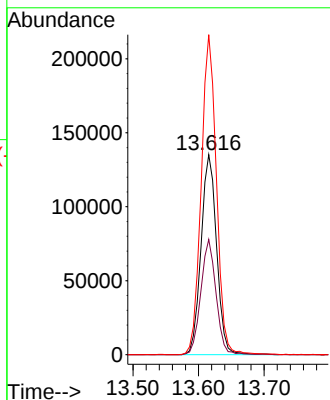
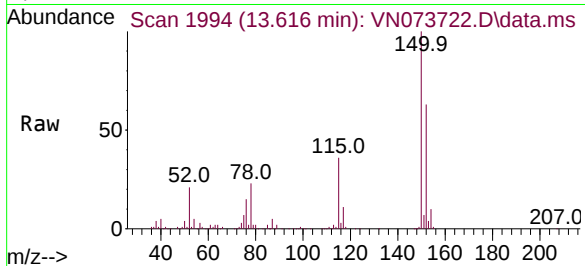




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073722.D
 Acq: 03 Aug 2022 19:31

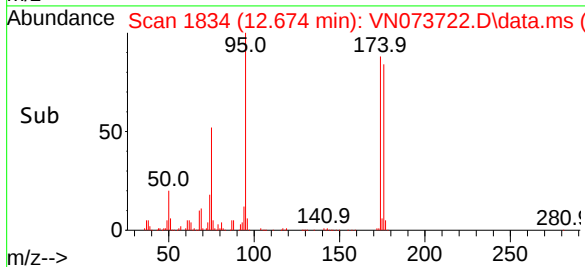
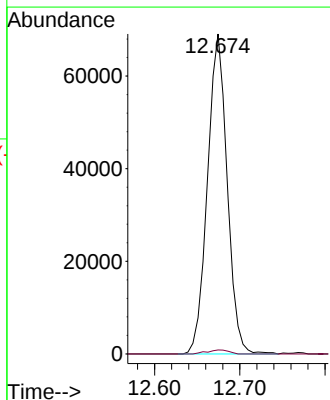
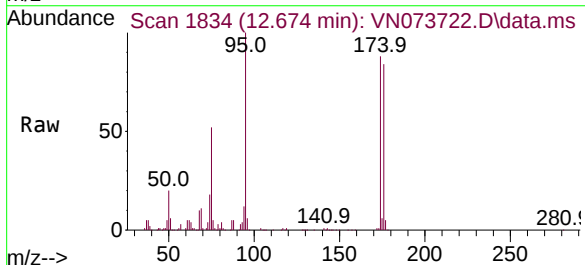
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-07-28

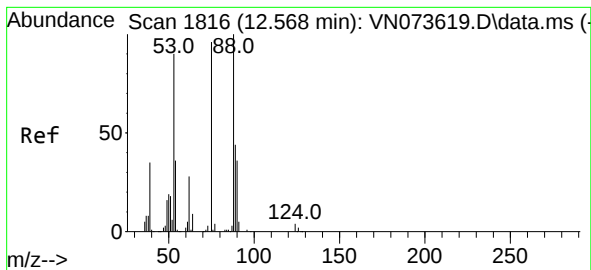
Tgt Ion:152 Resp: 224042
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 156.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.459 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073722.D
 Acq: 03 Aug 2022 19:31

Tgt Ion: 75 Resp: 110984
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.197 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073722.D
 Acq: 03 Aug 2022 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-07-28

Tgt Ion: 75 Resp: 110984
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

