

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077042.D
 Acq On : 17 Mar 2023 18:58
 Operator : JC\MD
 Sample : 01941-11 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314

Quant Time: Mar 18 02:33:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

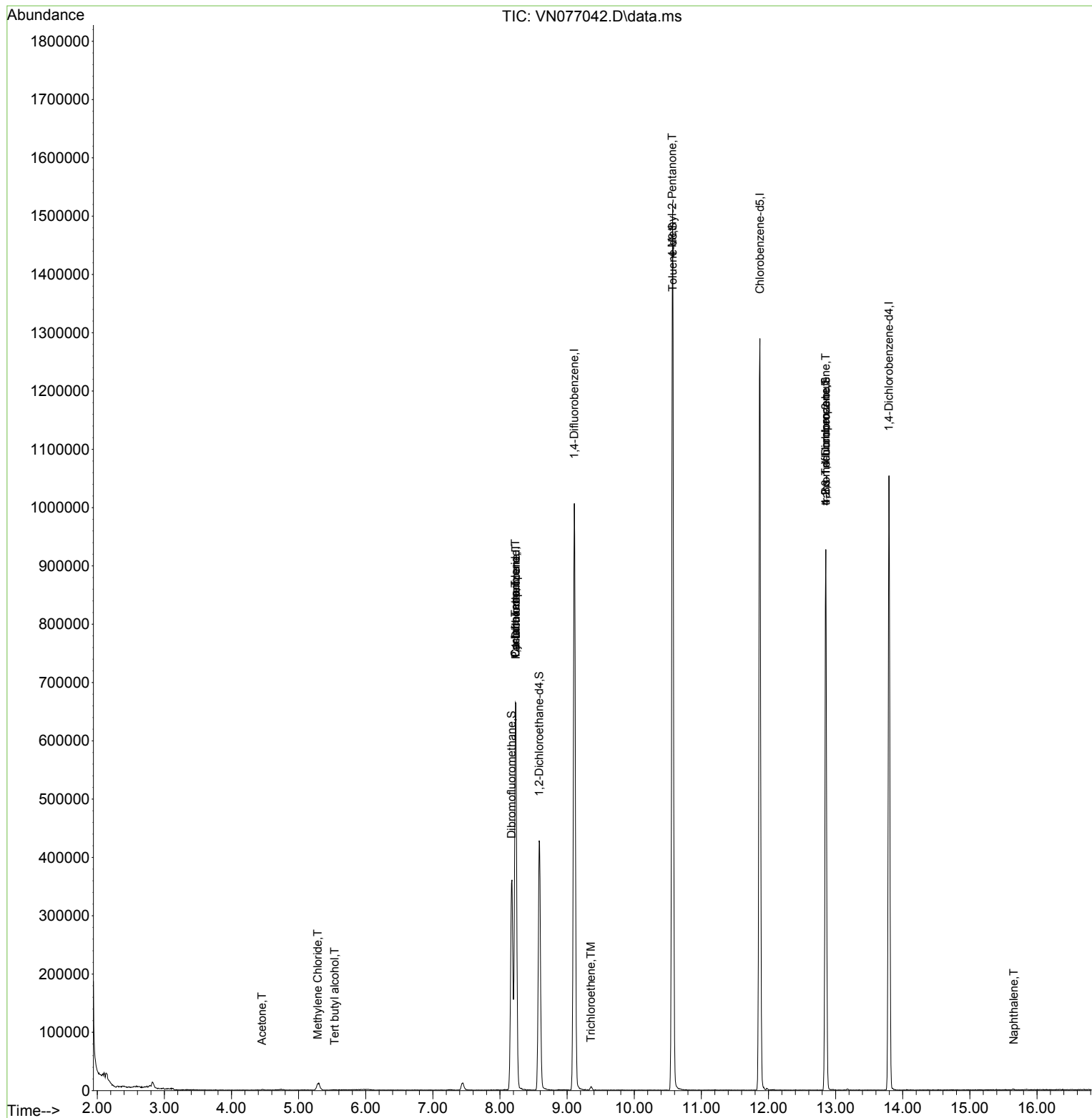
Internal Standards						
1) Pentafluorobenzene	8.236	168	457168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	842893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	717958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	263816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	357074	48.898	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	8.172	113	269674	45.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.380%
50) Toluene-d8	10.572	98	1021852	48.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.854	95	319975	42.944	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.537	59	219	0.206	ug/l #	72
16) Acetone	4.454	43	829	0.255	ug/l #	43
20) Methylene Chloride	5.284	84	4672	0.662	ug/l	93
31) Cyclohexane	8.231	56	12071	1.010	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	42449	4.604	ug/l #	51
38) Carbon Tetrachloride	8.231	117	51482	5.733	ug/l #	15
44) Trichloroethene	9.354	130	2178	0.339	ug/l	93
51) 4-Methyl-2-Pentanone	10.566	43	4607	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	174212	25.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	174212	70.271	ug/l #	10
95) Naphthalene	15.654	128	1455	1.992	ug/l #	77

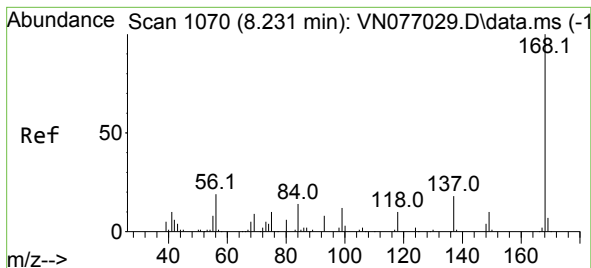
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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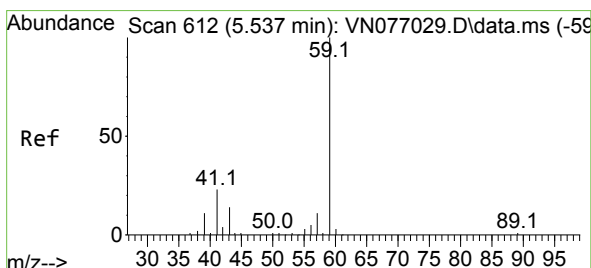
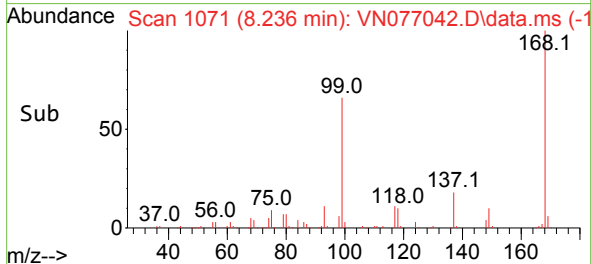
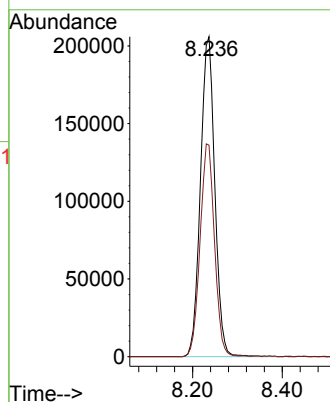
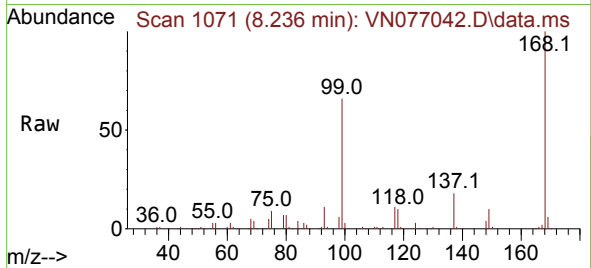




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

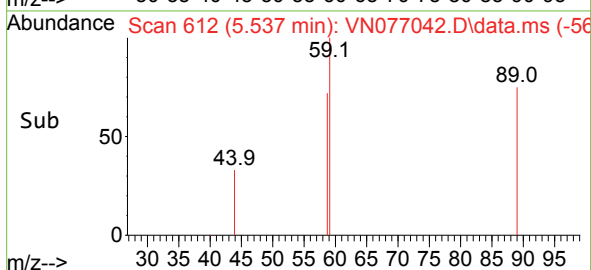
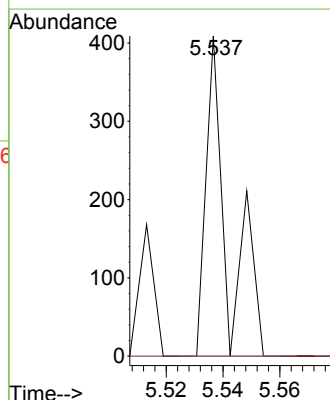
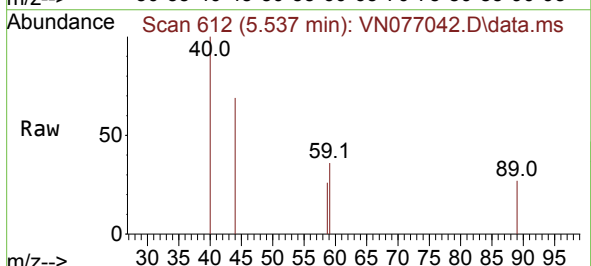
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

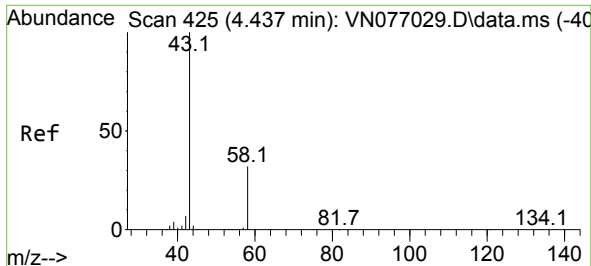
Tgt Ion:168 Resp: 457168
Ion Ratio Lower Upper
168 100
99 66.1 53.9 80.9



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

Tgt Ion: 59 Resp: 219
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

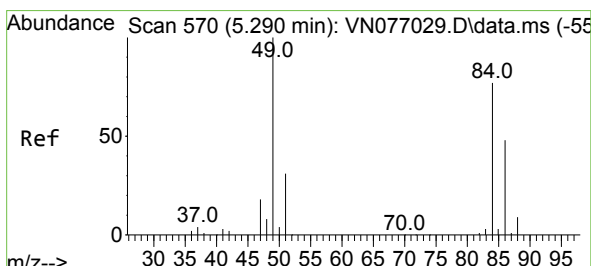
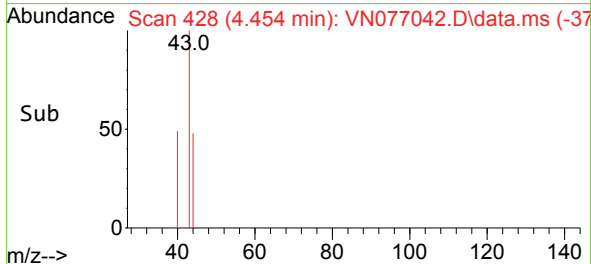
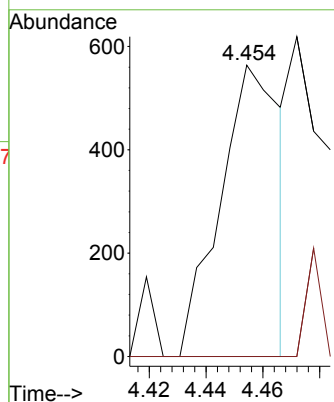
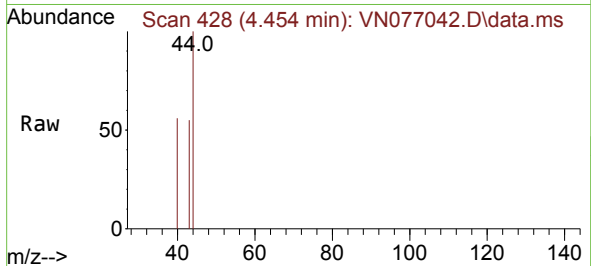




#16
Acetone
Concen: 0.255 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

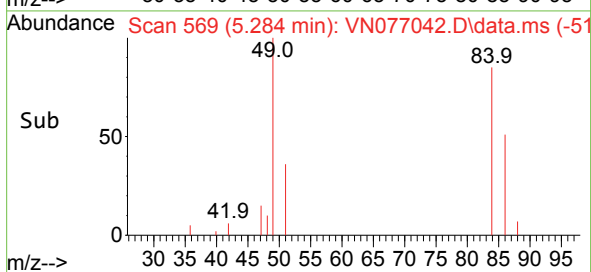
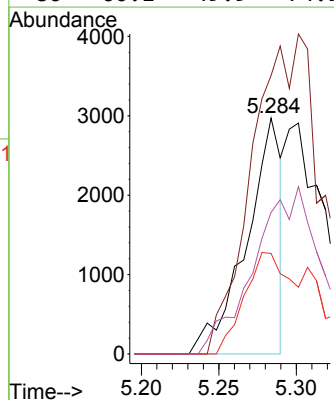
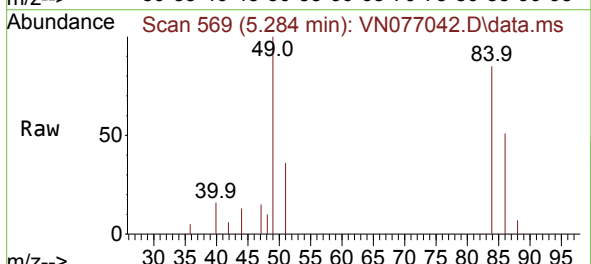
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

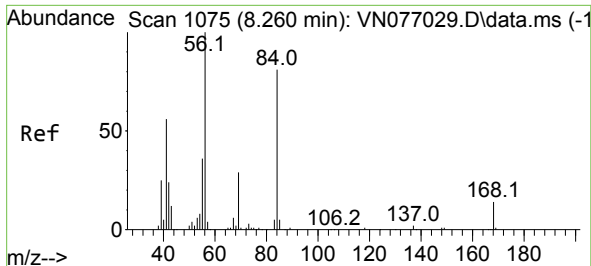
Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#20
Methylene Chloride
Concen: 0.662 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

Tgt Ion: 84 Resp: 4672
Ion Ratio Lower Upper
84 100
49 118.1 103.8 155.6
51 42.6 32.3 48.5
86 60.1 49.9 74.9

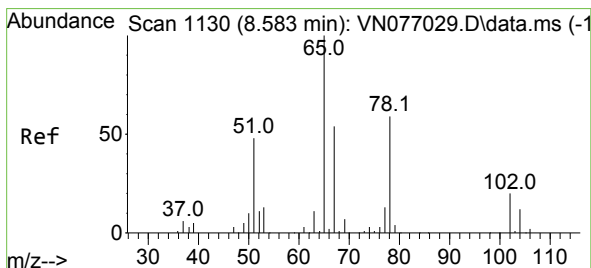
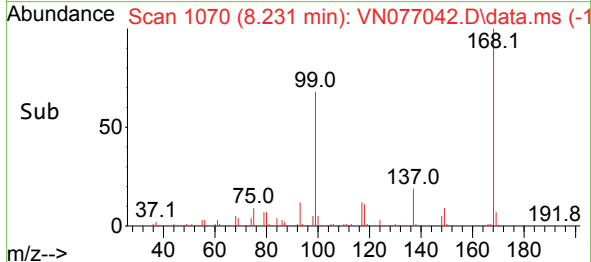
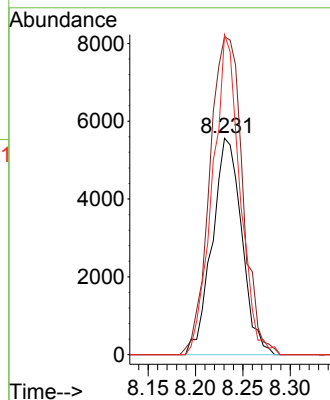
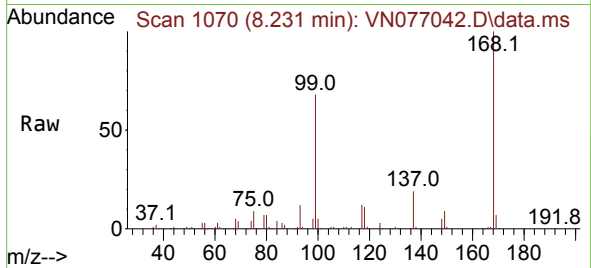




#31
Cyclohexane
Concen: 1.010 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

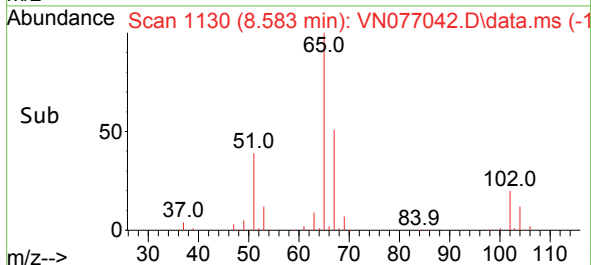
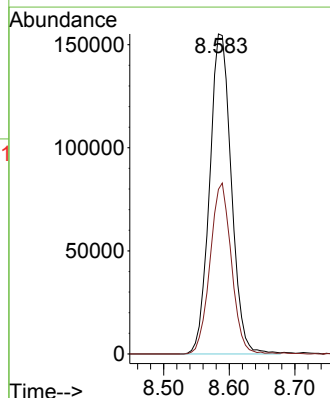
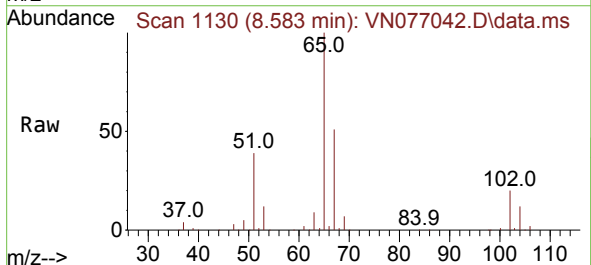
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

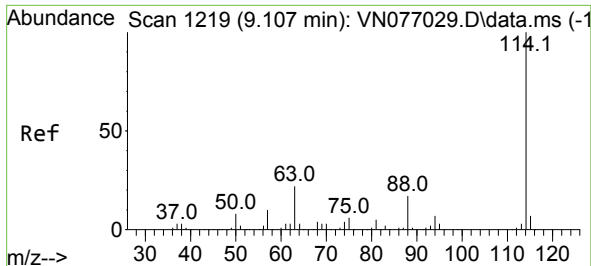
Tgt Ion: 56 Resp: 12071
Ion Ratio Lower Upper
56 100
69 146.9 22.8 34.2#
84 147.8 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 48.898 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

Tgt Ion: 65 Resp: 357074
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20230314

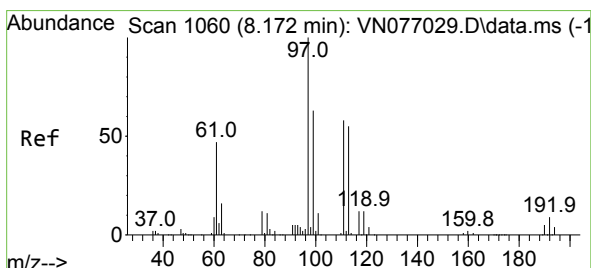
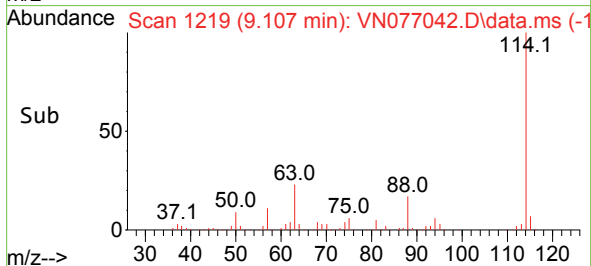
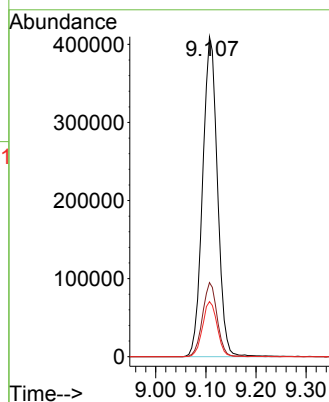
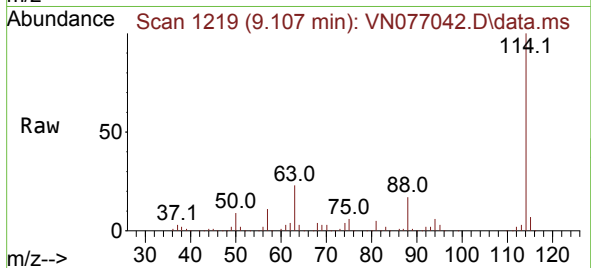
Tgt Ion:114 Resp: 842893

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 17.2 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.685 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

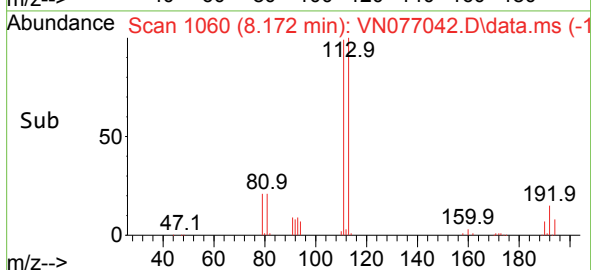
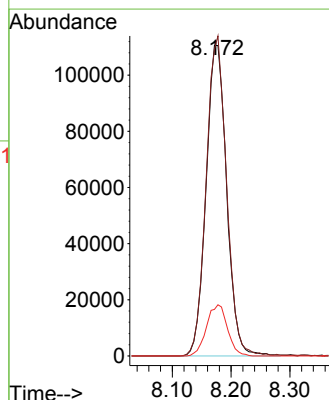
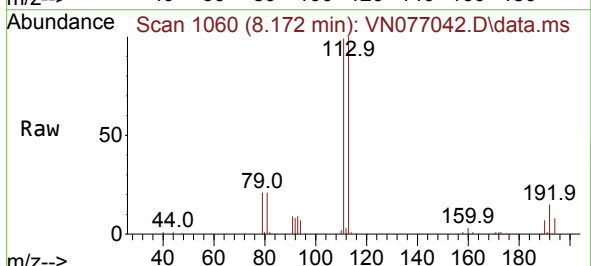
Tgt Ion:113 Resp: 269674

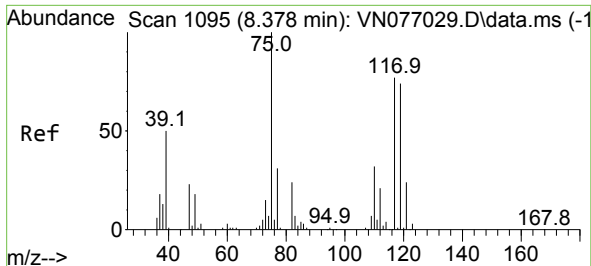
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 16.7 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.141 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

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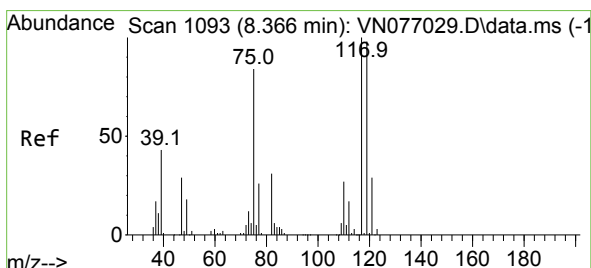
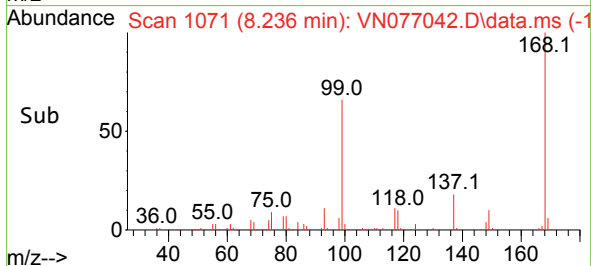
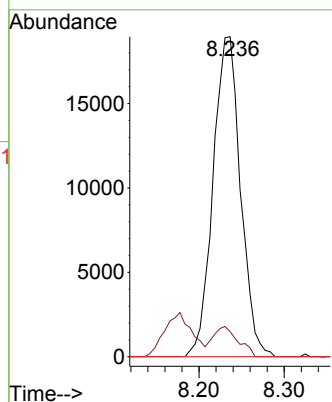
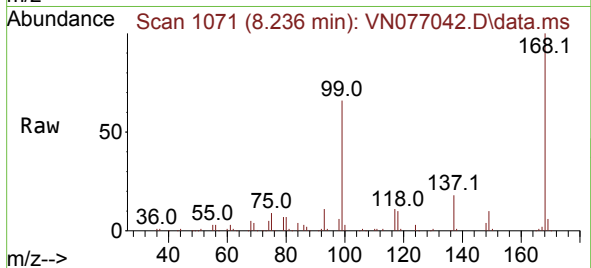
Tgt Ion: 75 Resp: 42449

Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.733 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

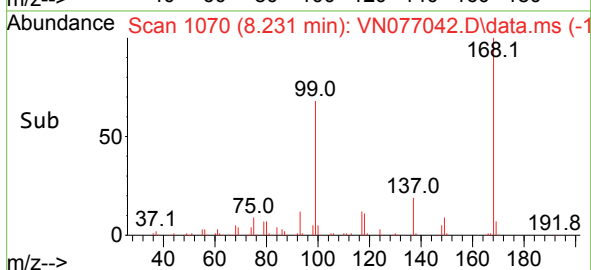
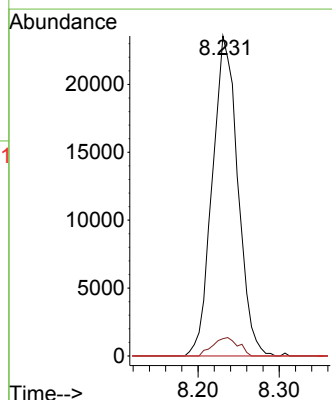
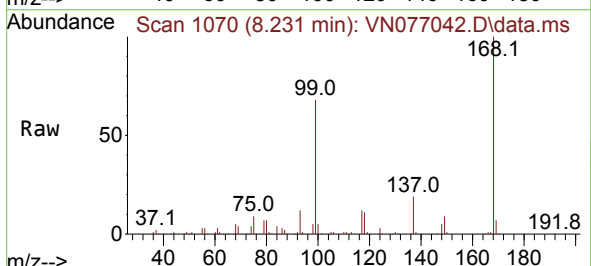
Tgt Ion: 117 Resp: 51482

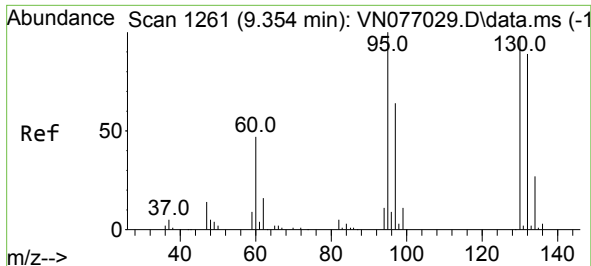
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 23.2 34.8#

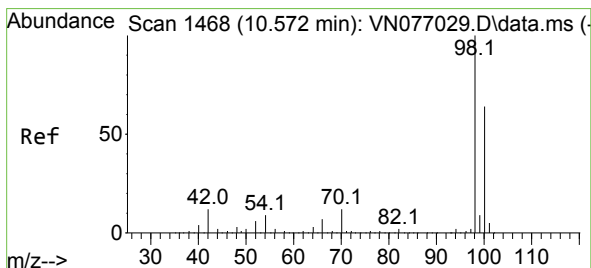
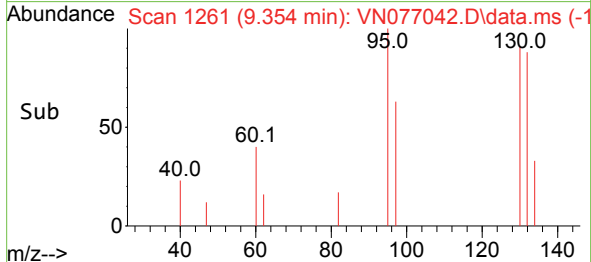
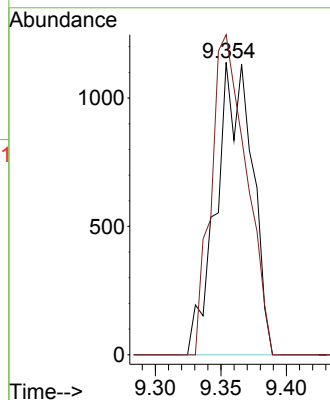
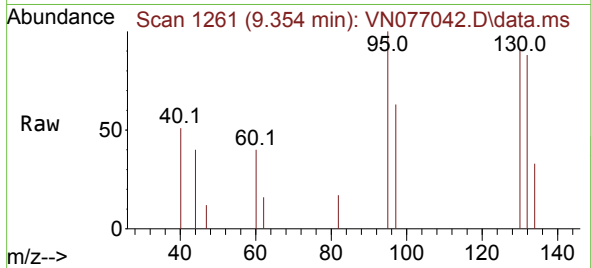




#44
Trichloroethene
Concen: 0.339 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

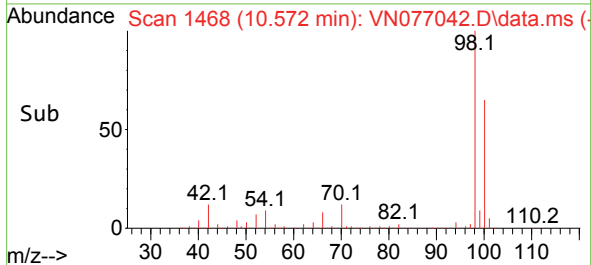
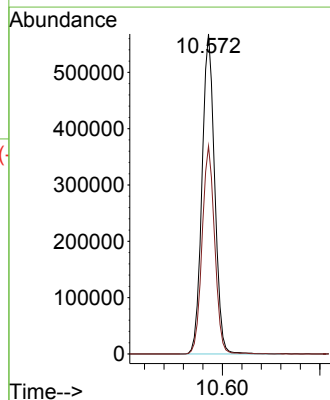
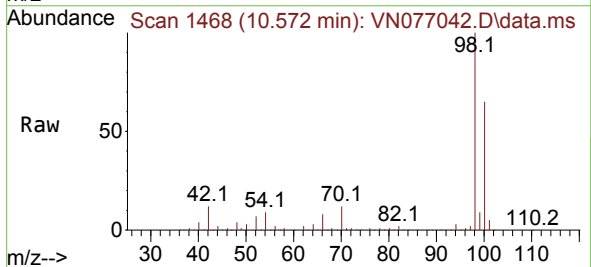
Instrument :
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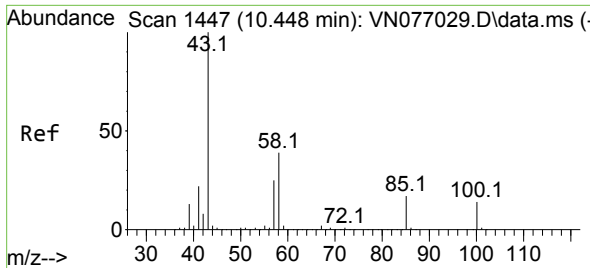
Tgt Ion:130 Resp: 2178
Ion Ratio Lower Upper
130 100
95 109.5 0.0 204.4



#50
Toluene-d8
Concen: 48.461 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

Tgt Ion: 98 Resp: 1021852
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.480 ug/l

RT: 10.566 min Scan# 1447

Delta R.T. 0.118 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

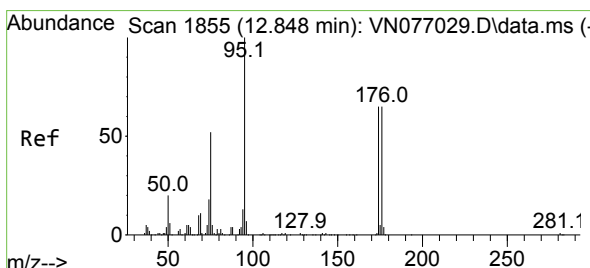
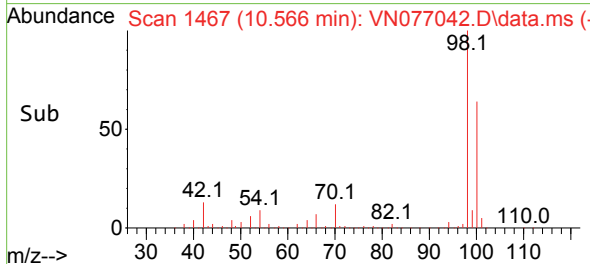
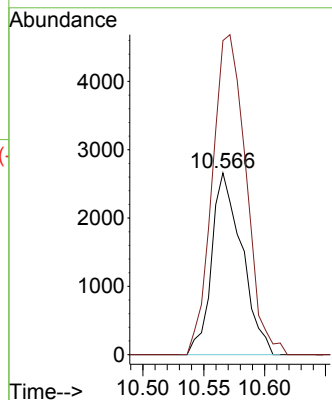
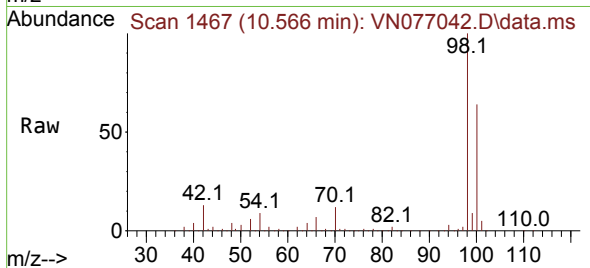
DUP07-20230314

Tgt Ion: 43 Resp: 4607

Ion Ratio Lower Upper

43 100

58 195.5 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 42.944 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

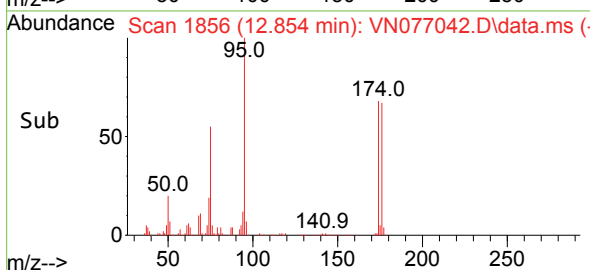
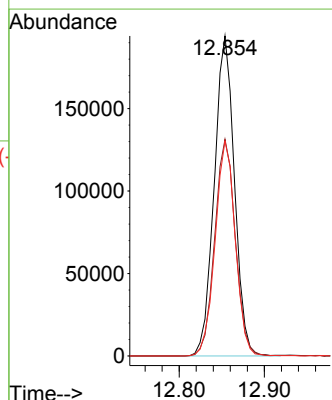
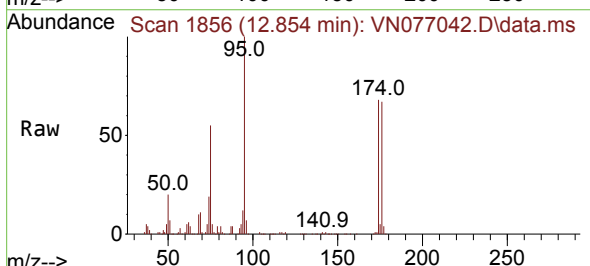
Tgt Ion: 95 Resp: 319975

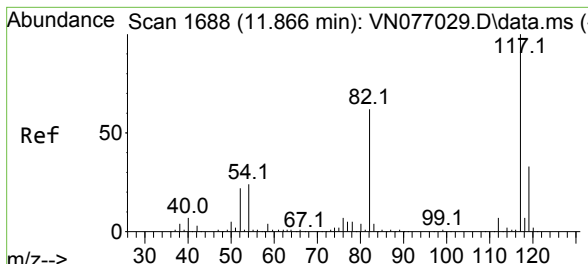
Ion Ratio Lower Upper

95 100

174 69.0 0.0 136.6

176 66.9 0.0 130.0

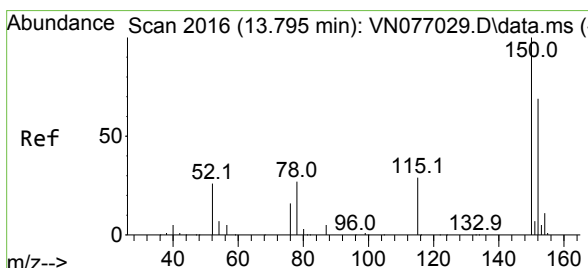
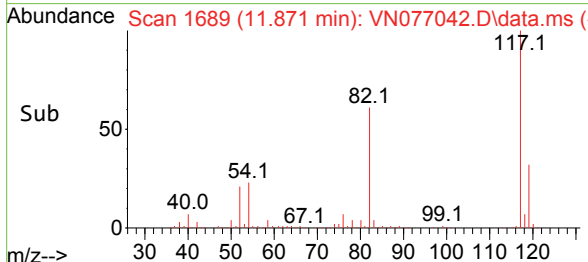
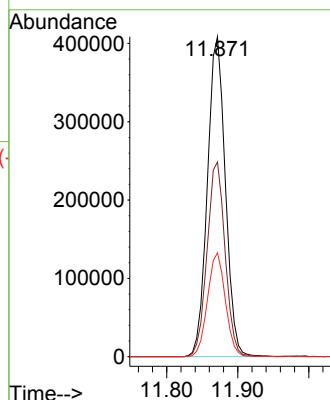
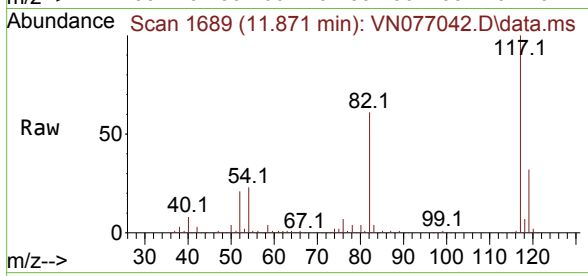




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117958
Delta R.T. 0.006 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

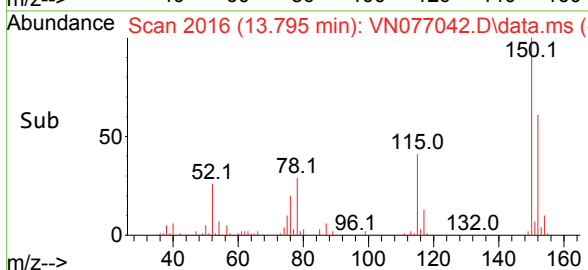
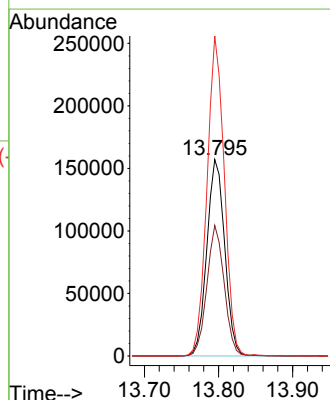
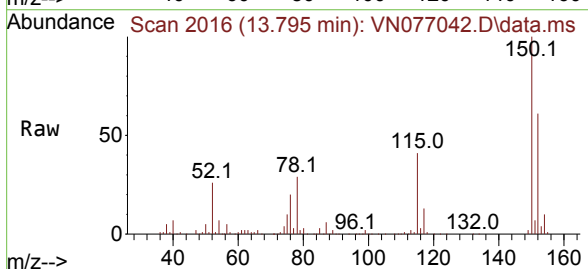
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

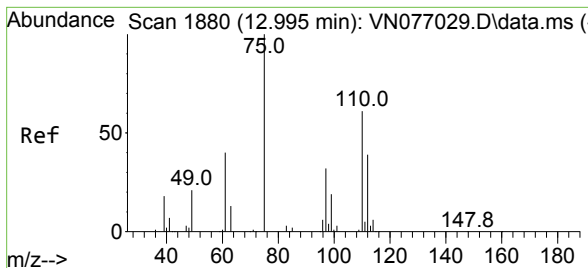
Tgt Ion:	117	Resp:	717958
Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.4	74.0
119	32.5	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077042.D
Acq: 17 Mar 2023 18:58

Tgt Ion:	152	Resp:	263816
Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.9	95.7
150	157.3	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 25.529 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

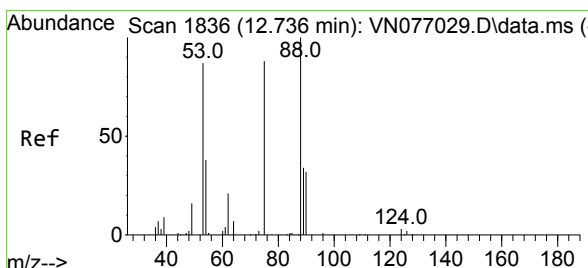
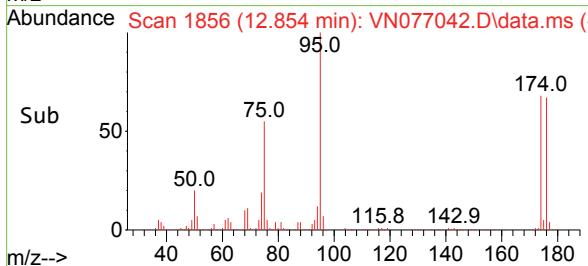
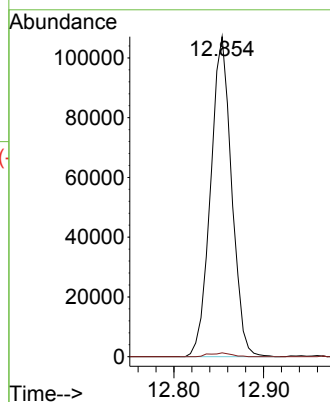
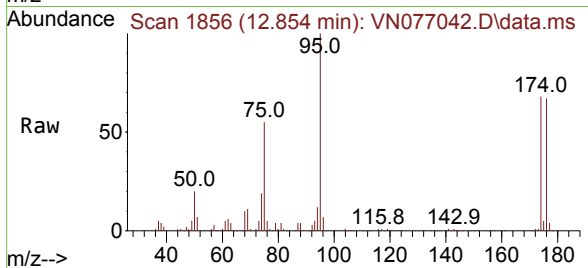
DUP07-20230314

Tgt Ion: 75 Resp: 174212

Ion Ratio Lower Upper

75 100

77 1.2 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.271 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077042.D

Acq: 17 Mar 2023 18:58

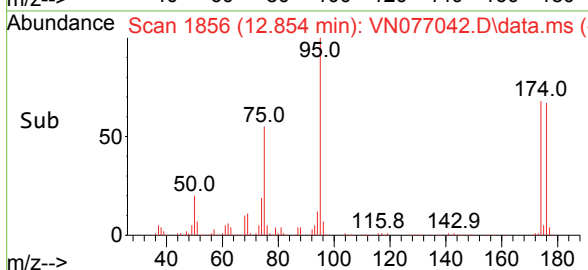
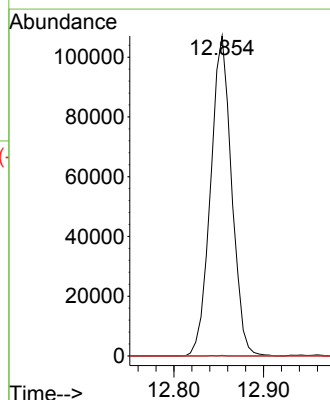
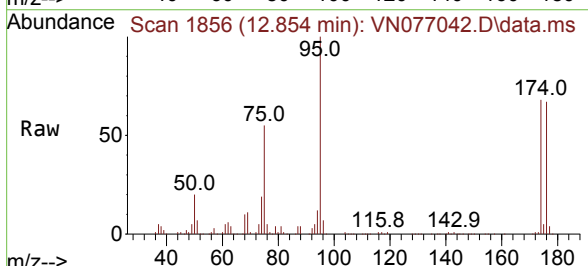
Tgt Ion: 75 Resp: 174212

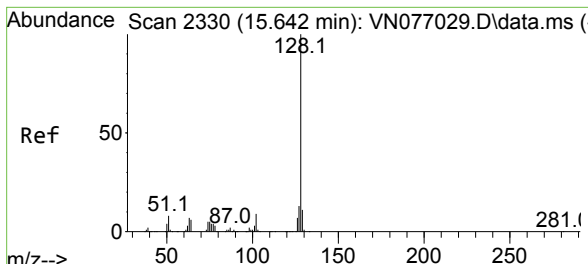
Ion Ratio Lower Upper

75 100

53 0.0 80.8 121.2#

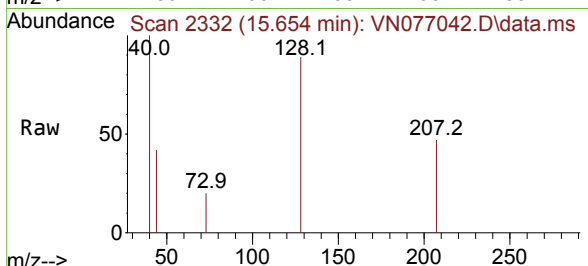
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 1.992 ug/l
 RT: 15.654 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN077042.D
 Acq: 17 Mar 2023 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314



Tgt Ion:128 Resp: 1455

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	6.2	8.6	13.0#

