

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077049.D
 Acq On : 17 Mar 2023 21:49
 Operator : JC\MD
 Sample : 01904-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20230313

Quant Time: Mar 18 02:36:25 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

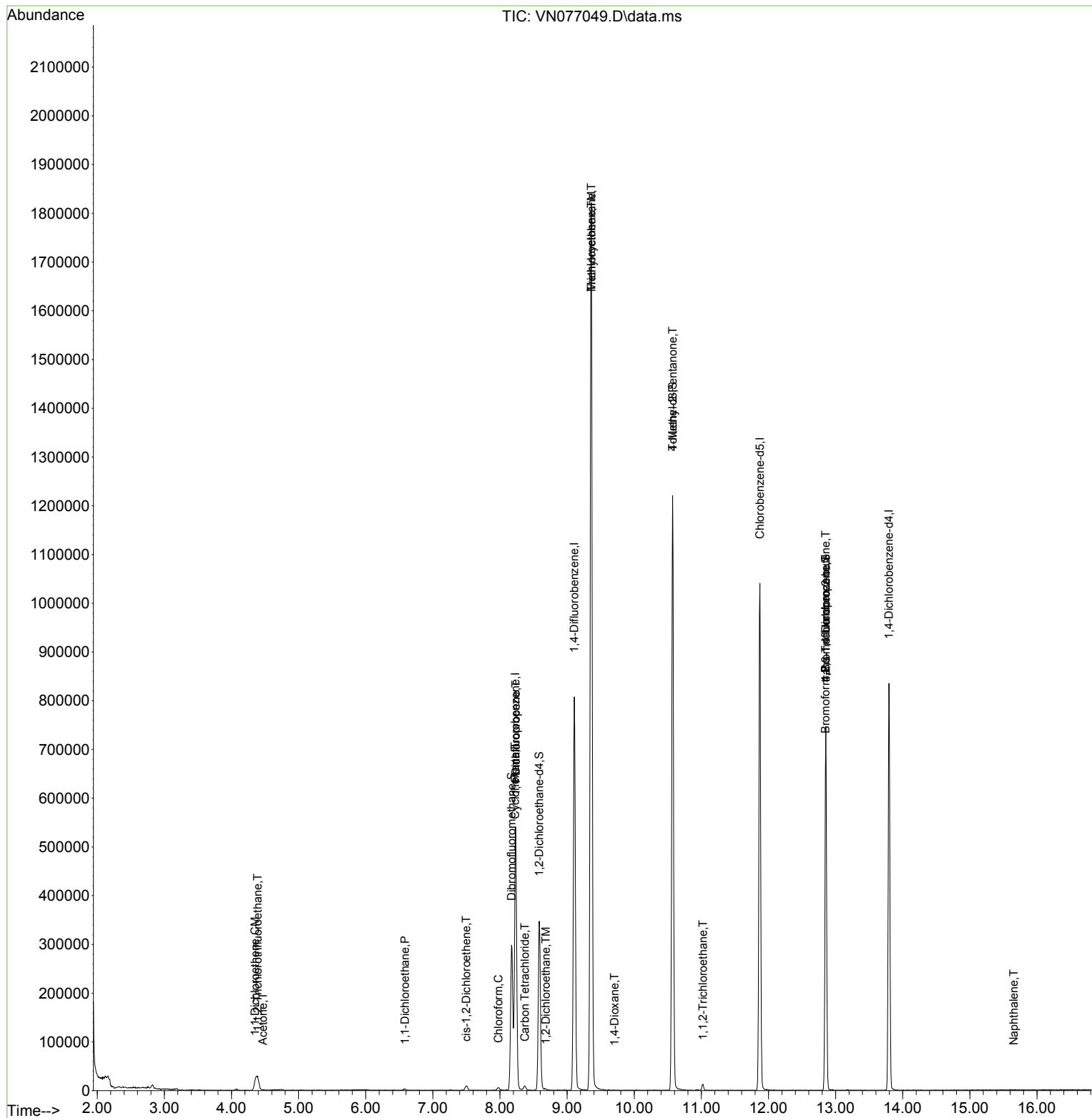
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	363475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	671125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	592366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	214385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	286230	49.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.600%
35) Dibromofluoromethane	8.172	113	216123	45.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.960%
50) Toluene-d8	10.572	98	827820	49.308	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.854	95	259929	43.814	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
2) Dichlorodifluoromethane	2.143	85	489	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.390	101	17254	3.577	ug/l	99
12) 1,1-Dichloroethene	4.349	96	9382	2.126	ug/l	84
16) Acetone	4.466	43	632	0.244	ug/l #	43
24) 1,1-Dichloroethane	6.584	63	3953	0.390	ug/l #	84
27) cis-1,2-Dichloroethene	7.495	96	5784	1.056	ug/l	85
30) Chloroform	7.978	83	5870	0.597	ug/l	87
31) Cyclohexane	8.225	56	9385	0.988	ug/l #	2
36) 1,1-Dichloropropene	8.236	75	33377	4.547	ug/l #	52
38) Carbon Tetrachloride	8.372	117	6221	0.870	ug/l	89
39) Methylcyclohexane	9.360	83	8593	1.000	ug/l #	1
42) 1,2-Dichloroethane	8.684	62	1627	0.202	ug/l #	76
44) Trichloroethene	9.360	130	641371	125.419	ug/l	96
49) 1,4-Dioxane	9.707	88	152	1.517	ug/l #	12
51) 4-Methyl-2-Pentanone	10.572	43	3877	0.507	ug/l #	1
55) 1,1,2-Trichloroethane	11.025	97	4060	0.775	ug/l	99
71) Bromoform	12.848	173	1173	0.343	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	140563	25.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	140563	69.772	ug/l #	10
95) Naphthalene	15.654	128	750	1.963	ug/l #	70

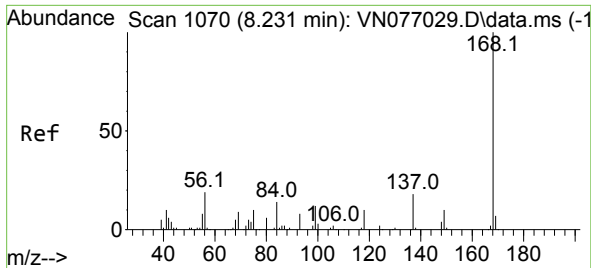
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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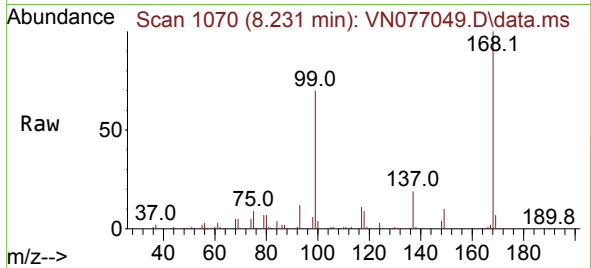
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 18 02:17:37 2023
Response via : Initial Calibration



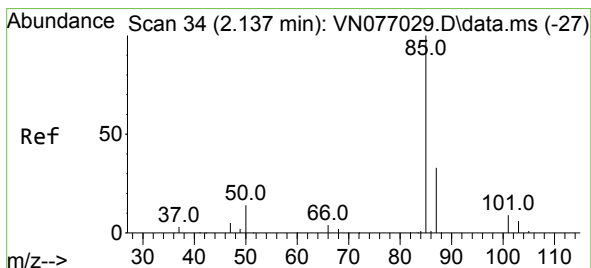
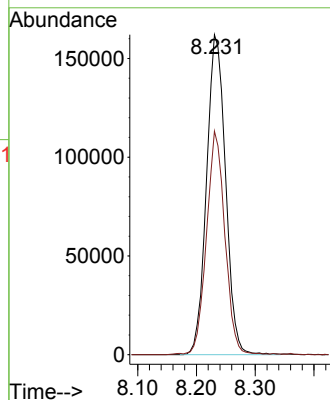
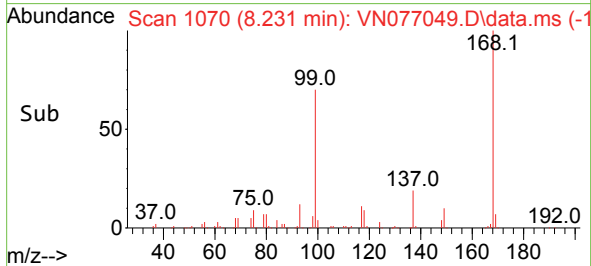


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

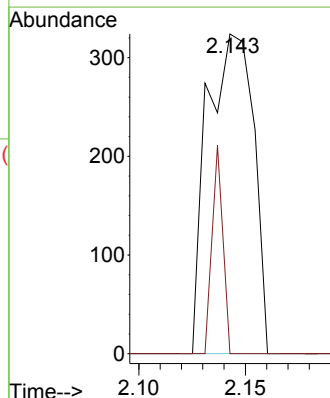
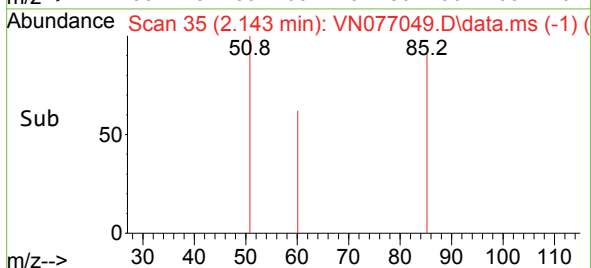
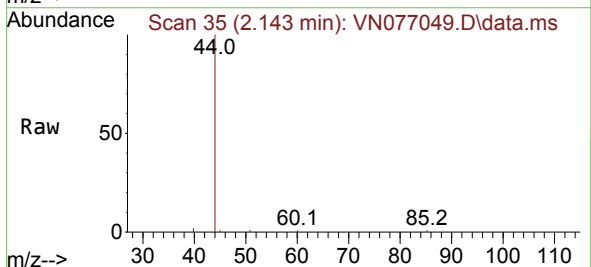


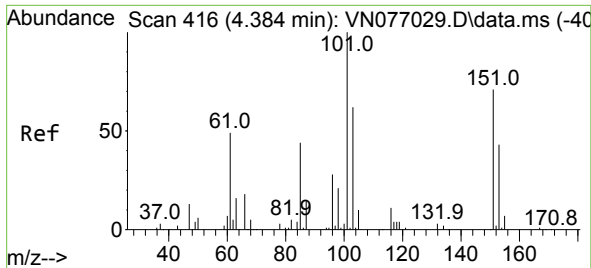
Tgt Ion:168 Resp: 363475
Ion Ratio Lower Upper
168 100
99 69.7 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 85 Resp: 489
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

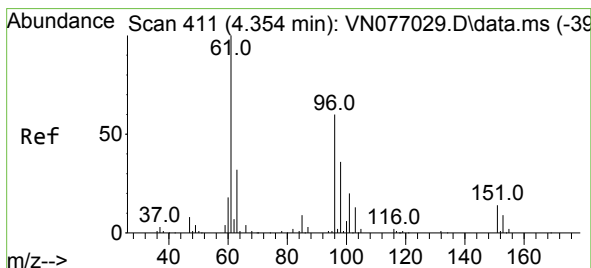
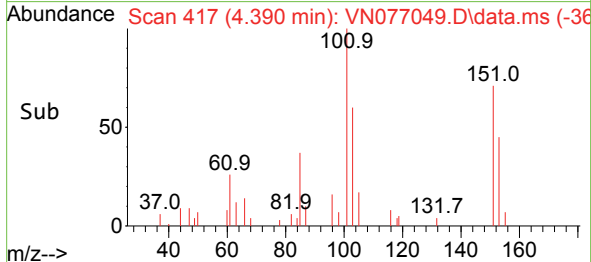
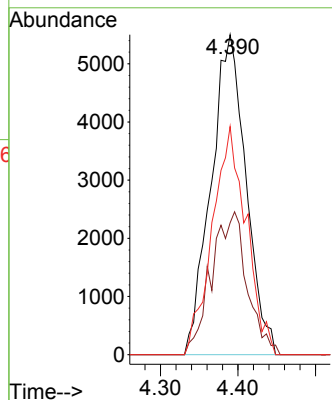
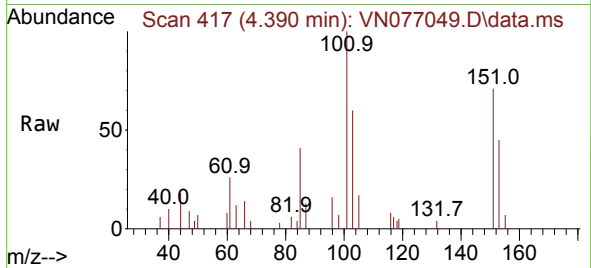




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.577 ug/l
RT: 4.390 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

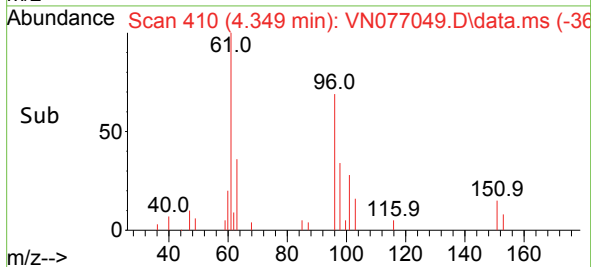
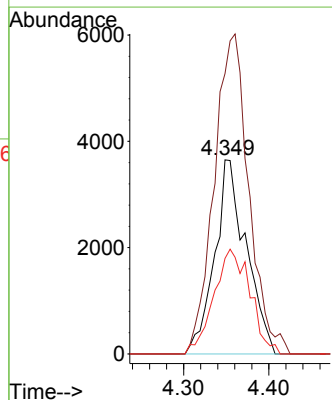
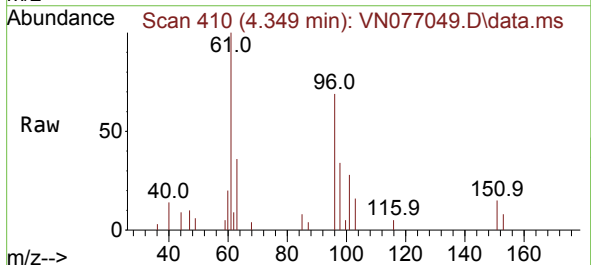
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

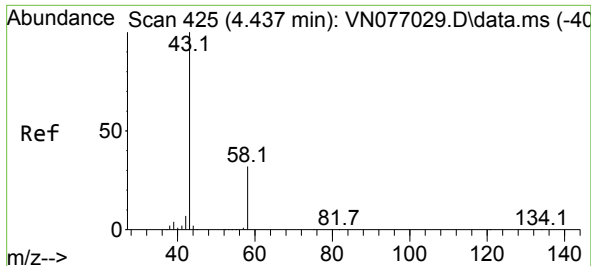
Tgt Ion:101 Resp: 17254
Ion Ratio Lower Upper
101 100
85 45.6 36.6 55.0
151 69.3 56.9 85.3



#12
1,1-Dichloroethene
Concen: 2.126 ug/l
RT: 4.349 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 96 Resp: 9382
Ion Ratio Lower Upper
96 100
61 144.5 133.8 200.8
98 49.2 48.6 72.8

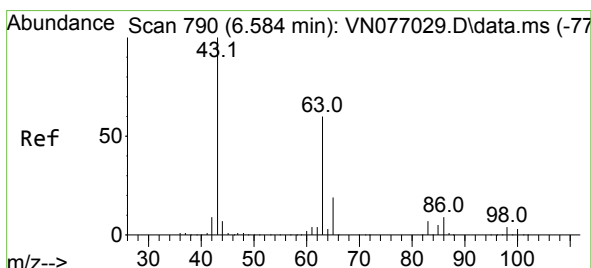
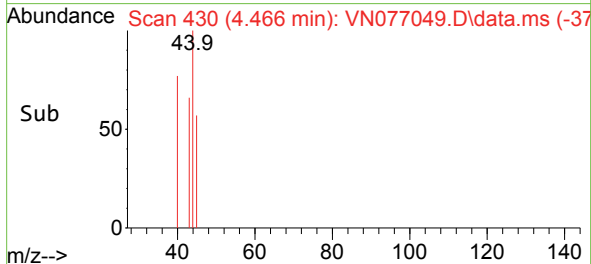
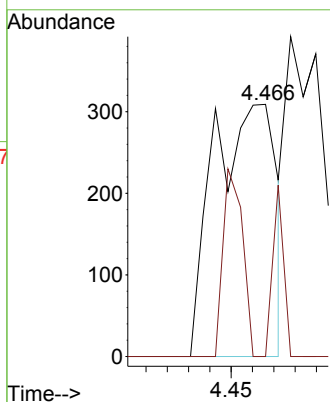
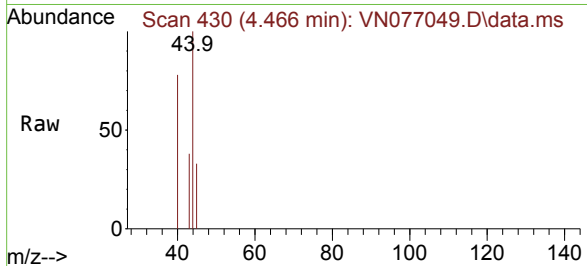




#16
Acetone
Concen: 0.244 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

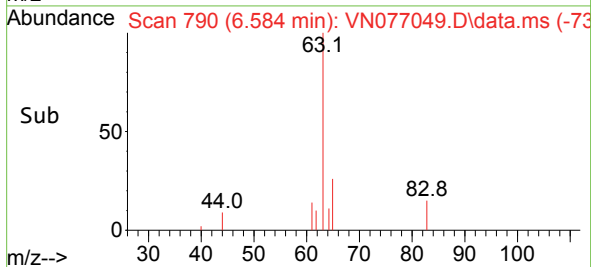
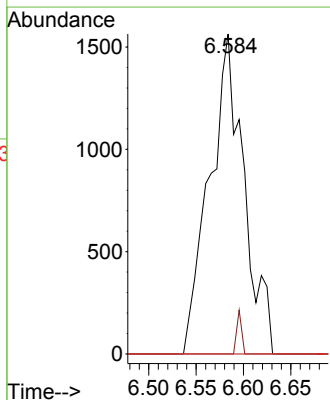
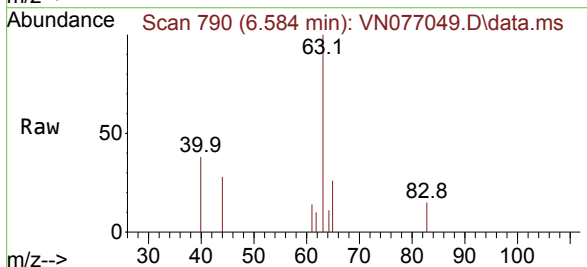
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

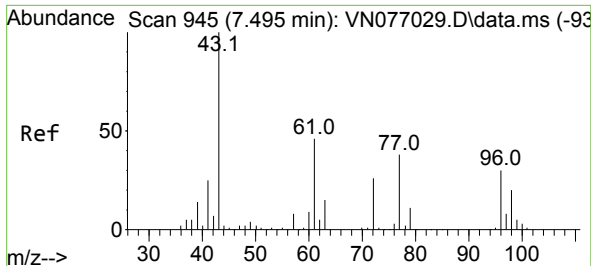
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#24
1,1-Dichloroethane
Concen: 0.390 ug/l
RT: 6.584 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 63 Resp: 3953
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 1.056 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077049.D

Acq: 17 Mar 2023 21:49

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20230313

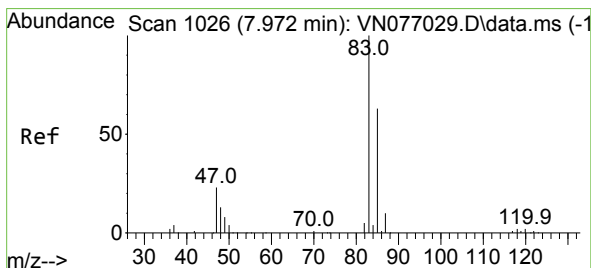
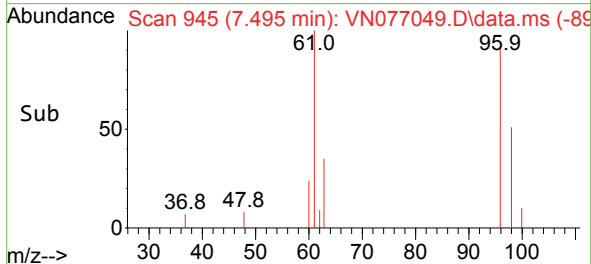
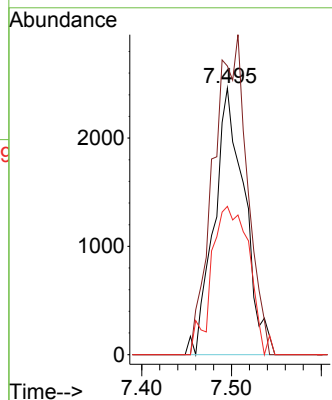
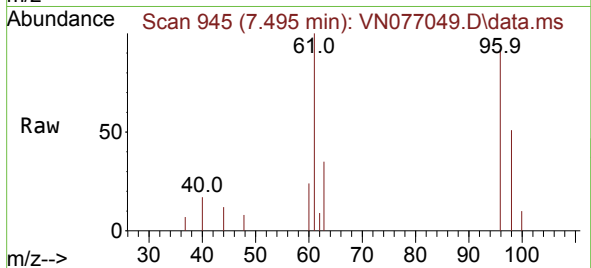
Tgt Ion: 96 Resp: 5784

Ion Ratio Lower Upper

96 100

61 133.5 0.0 315.4

98 69.1 0.0 128.6



#30

Chloroform

Concen: 0.597 ug/l

RT: 7.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN077049.D

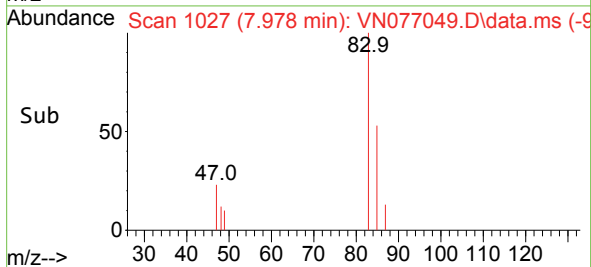
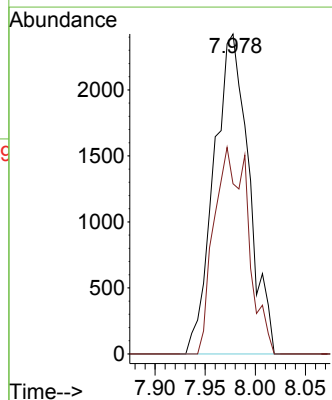
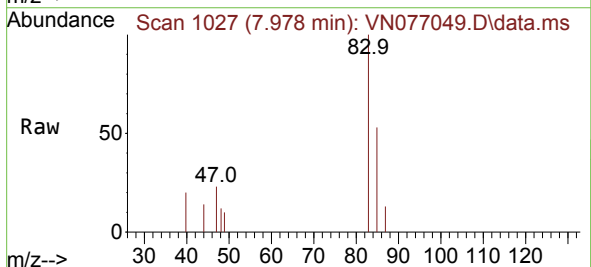
Acq: 17 Mar 2023 21:49

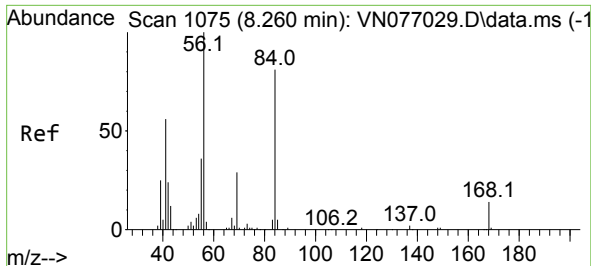
Tgt Ion: 83 Resp: 5870

Ion Ratio Lower Upper

83 100

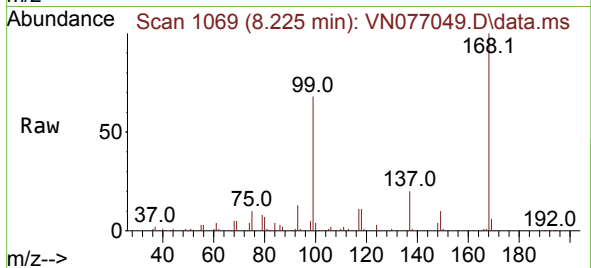
85 53.2 50.6 75.8



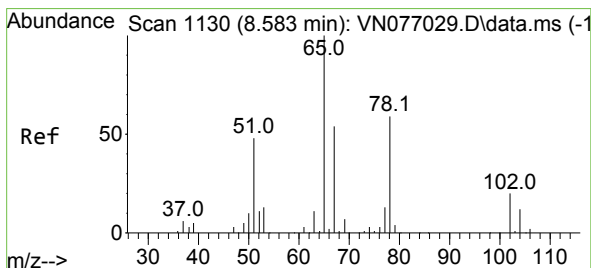
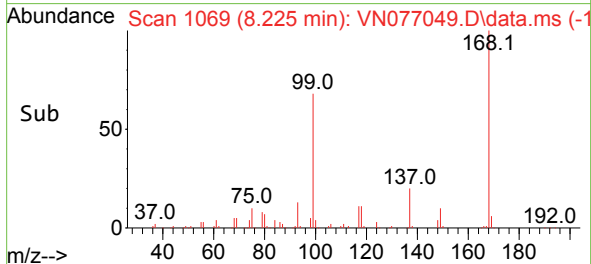
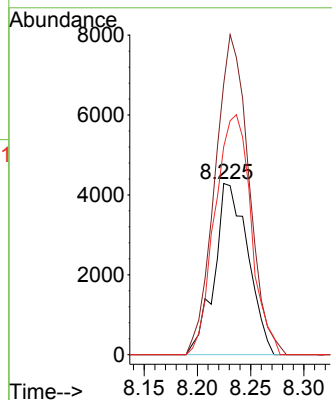


#31
Cyclohexane
Concen: 0.988 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Instrument :
MSVOA_N
ClientSampleId :
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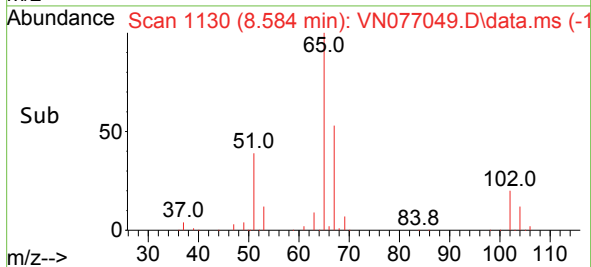
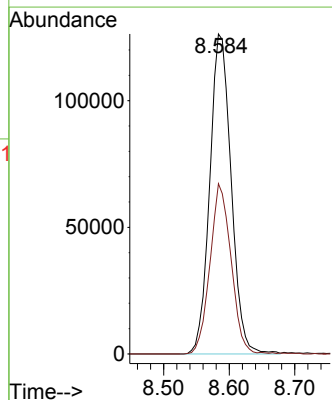
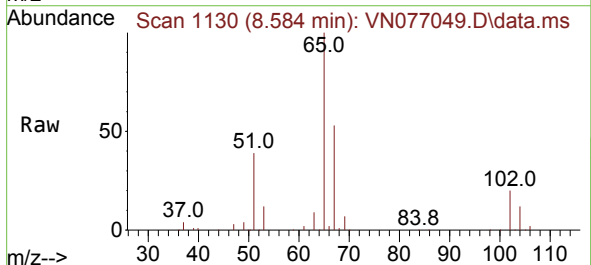


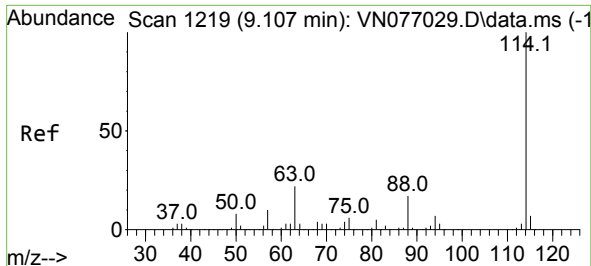
Tgt Ion: 56 Resp: 9385
Ion Ratio Lower Upper
56 100
69 158.2 22.8 34.2#
84 121.5 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 49.300 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 65 Resp: 286230
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2

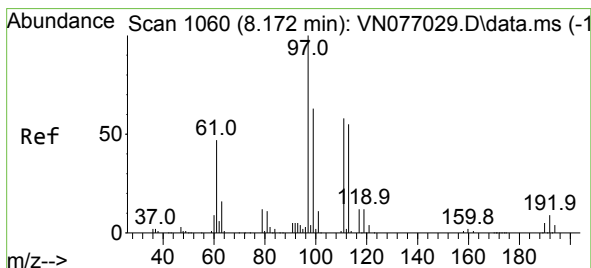
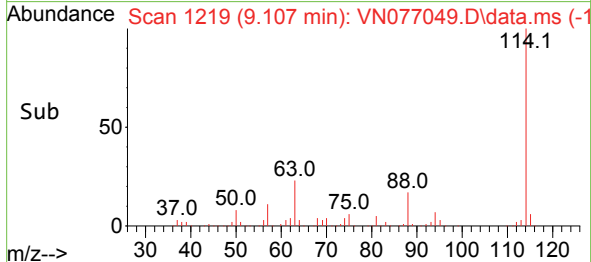
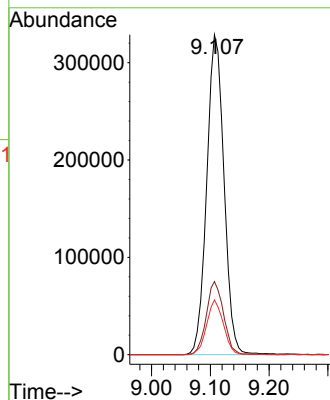
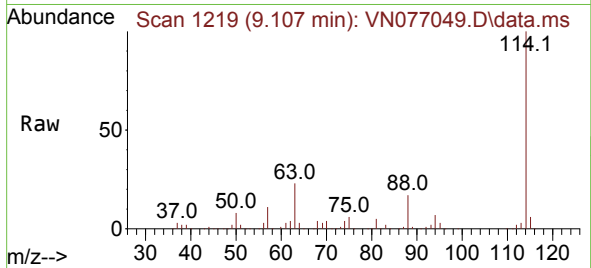




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

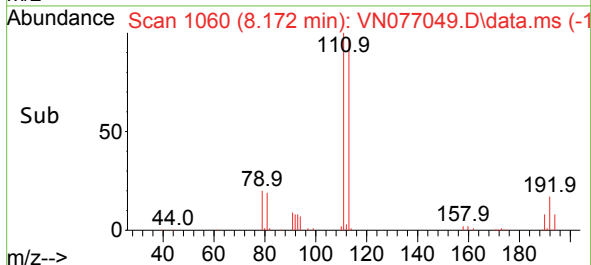
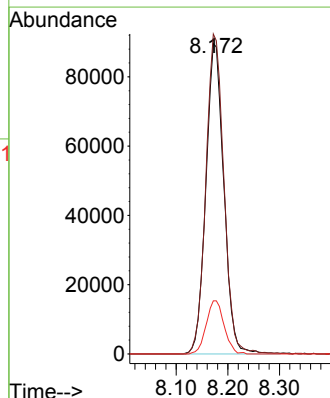
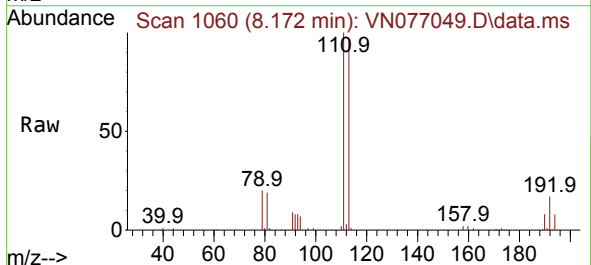
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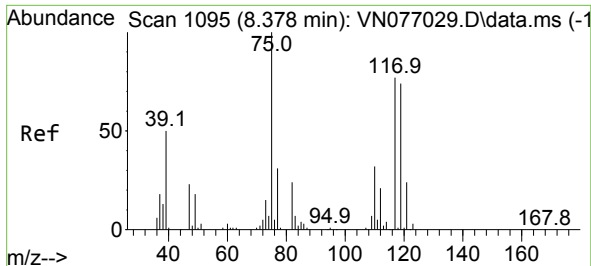
Tgt Ion:114 Resp: 671125
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.6
88 17.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.984 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

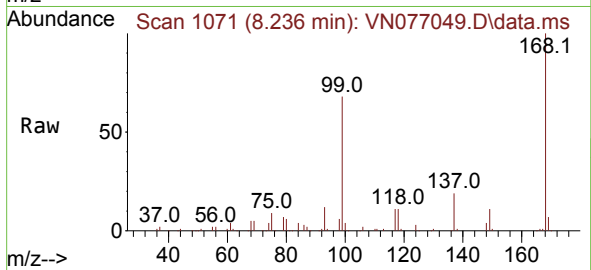
Tgt Ion:113 Resp: 216123
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 17.1 13.0 19.6



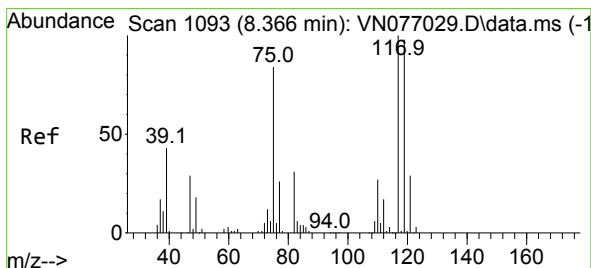
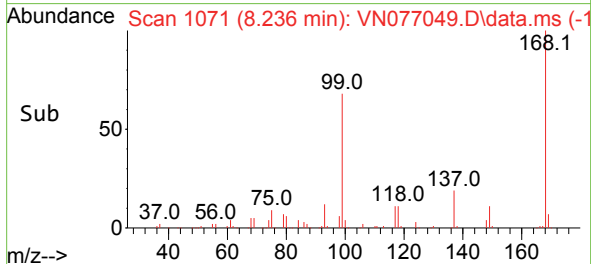
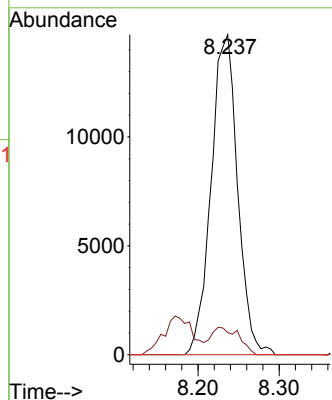


#36
1,1-Dichloropropene
Concen: 4.547 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

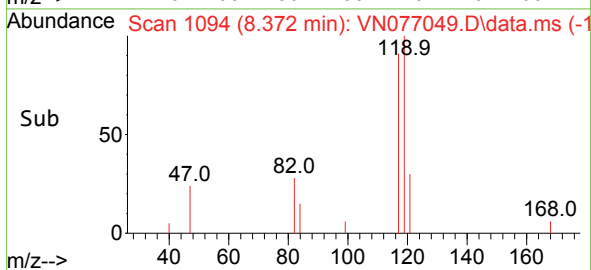
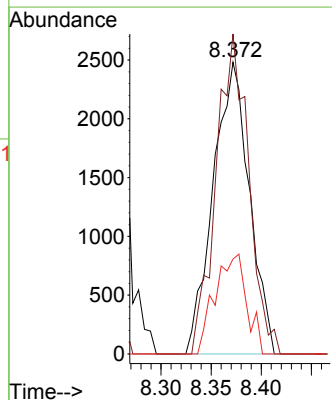
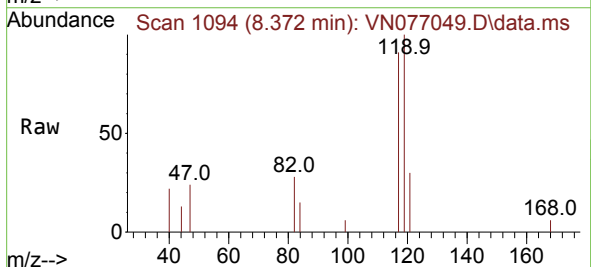


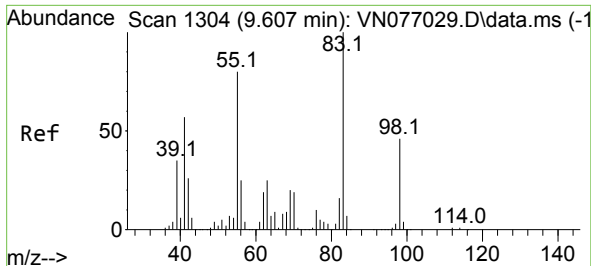
Tgt Ion: 75 Resp: 33377
Ion Ratio Lower Upper
75 100
110 9.0 15.9 47.7#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.870 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 117 Resp: 6221
Ion Ratio Lower Upper
117 100
119 109.7 78.2 117.2
121 32.5 23.2 34.8





#39

Methylcyclohexane

Concen: 1.000 ug/l

RT: 9.360 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN077049.D

Acq: 17 Mar 2023 21:49

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20230313

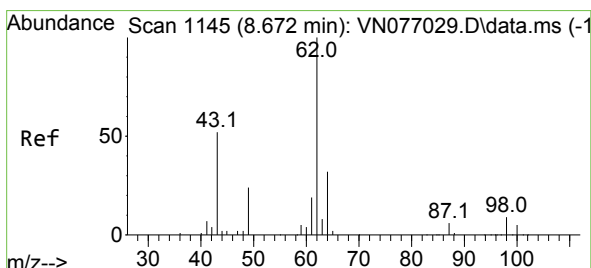
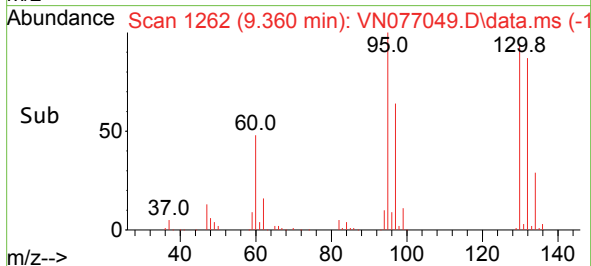
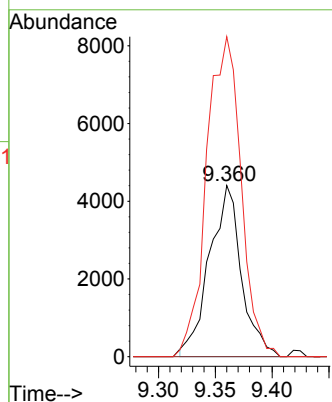
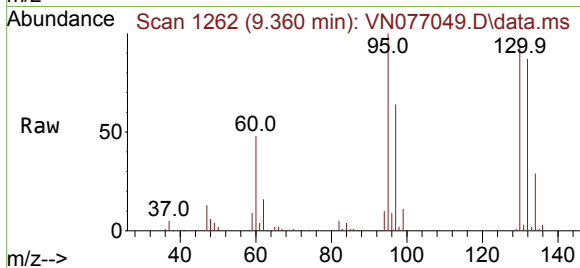
Tgt Ion: 83 Resp: 8593

Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.8#

98 186.9 37.1 55.7#



#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 8.684 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VN077049.D

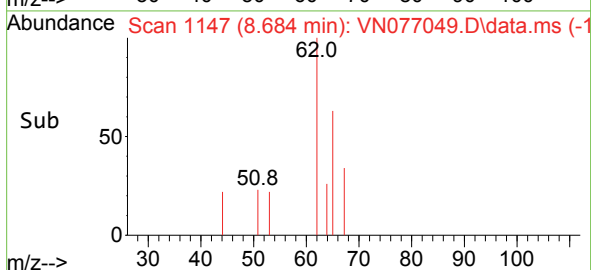
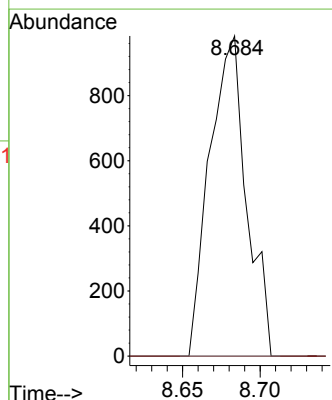
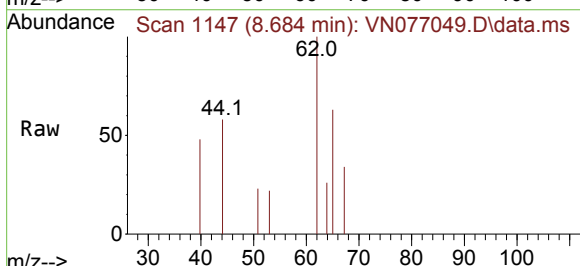
Acq: 17 Mar 2023 21:49

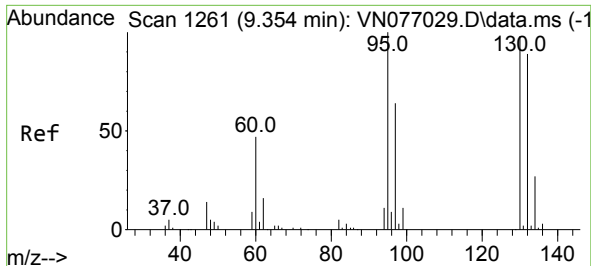
Tgt Ion: 62 Resp: 1627

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.4

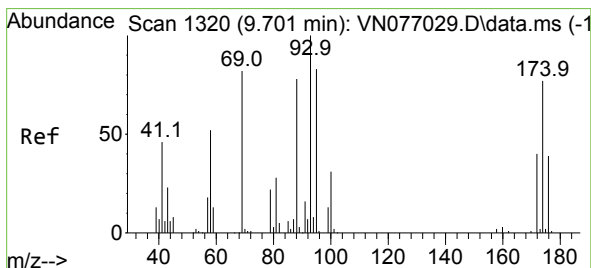
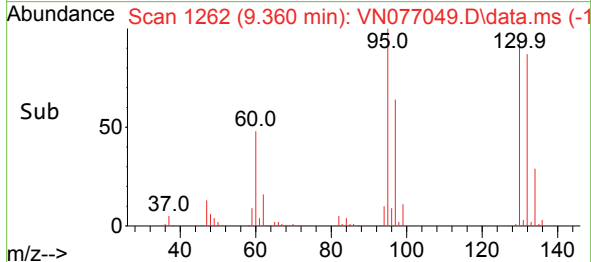
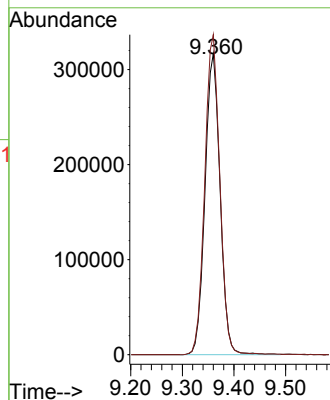
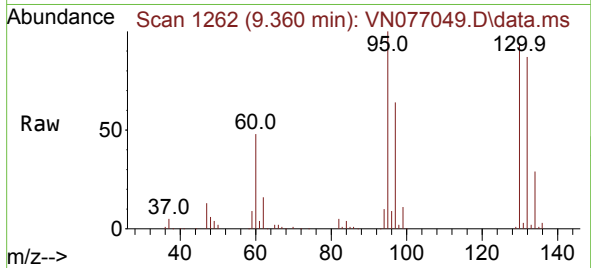




#44
Trichloroethene
Concen: 125.419 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

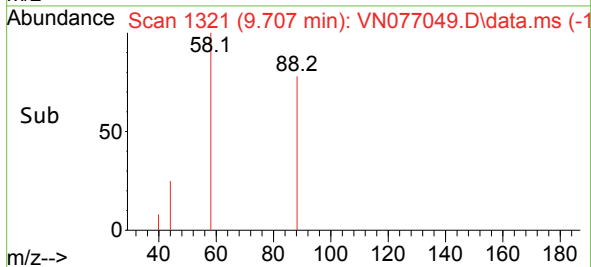
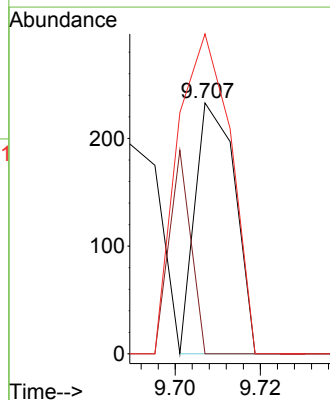
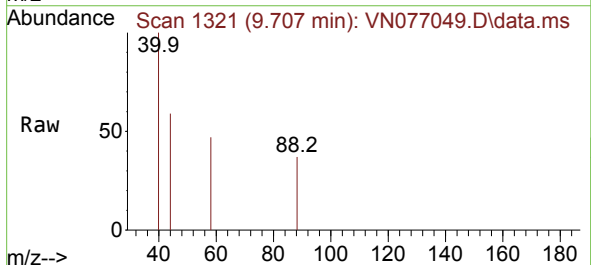
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

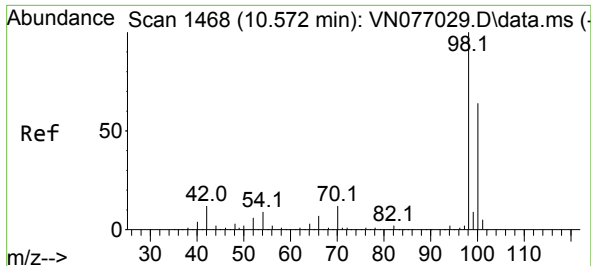
Tgt Ion:130 Resp: 641371
Ion Ratio Lower Upper
130 100
95 106.2 0.0 204.4



#49
1,4-Dioxane
Concen: 1.517 ug/l
RT: 9.707 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 44.1 22.2 33.2#
58 169.7 60.8 91.2#

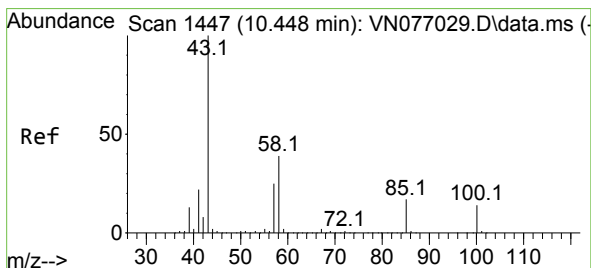
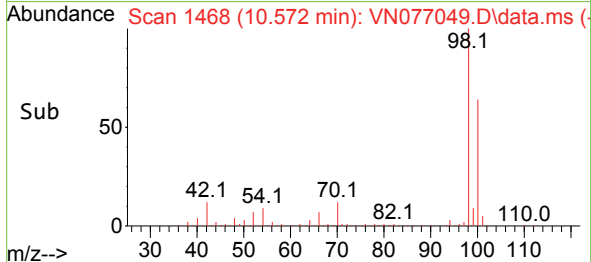
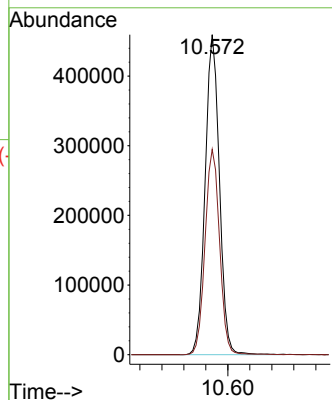
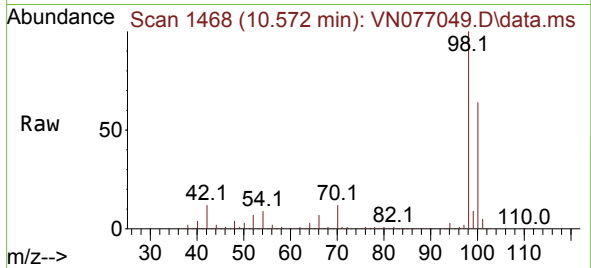




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

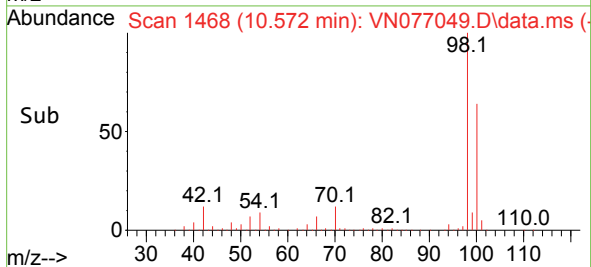
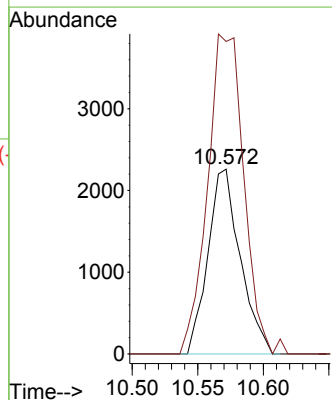
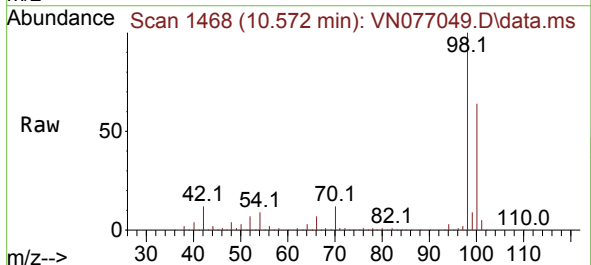
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

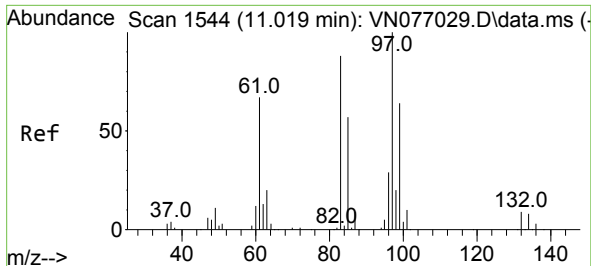
Tgt Ion: 98 Resp: 827820
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.507 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.124 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 43 Resp: 3877
Ion Ratio Lower Upper
43 100
58 194.5 31.1 46.7#

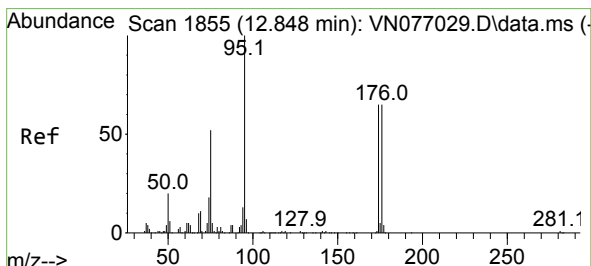
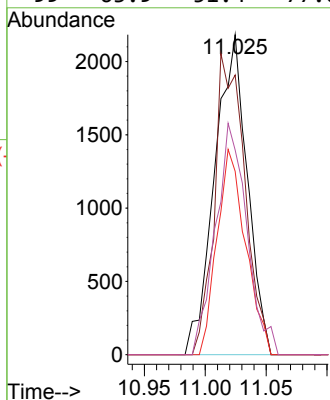
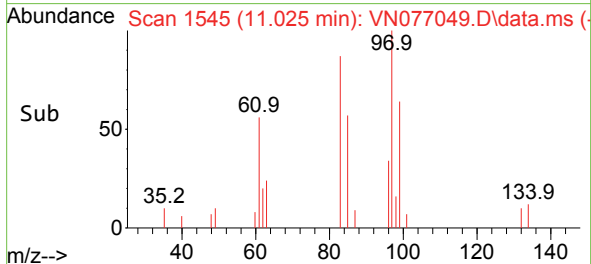
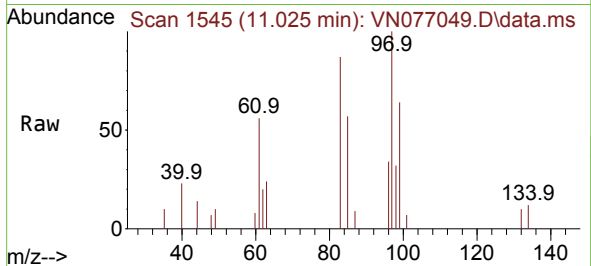




#55
1,1,2-Trichloroethane
Concen: 0.775 ug/l
RT: 11.025 min Scan# 1545
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

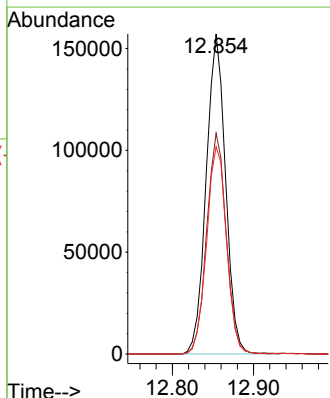
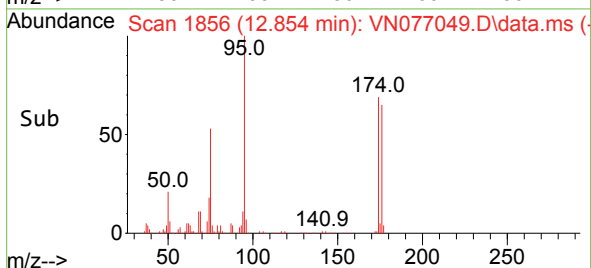
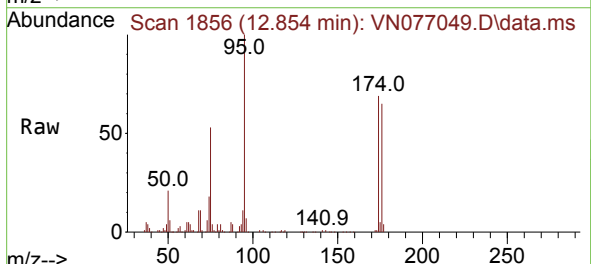
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

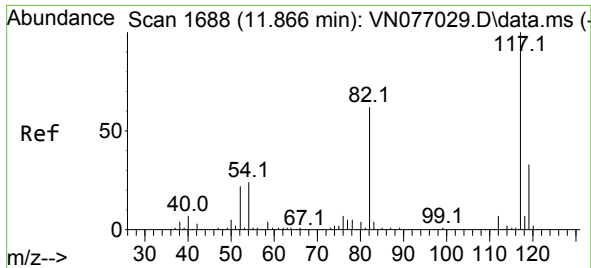
Tgt Ion:	97	Resp:	4060
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.5	105.7
85	57.3	45.4	68.2
99	63.9	51.4	77.0



#62
4-Bromofluorobenzene
Concen: 43.814 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion:	95	Resp:	259929
Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	136.6
176	66.5	0.0	130.0

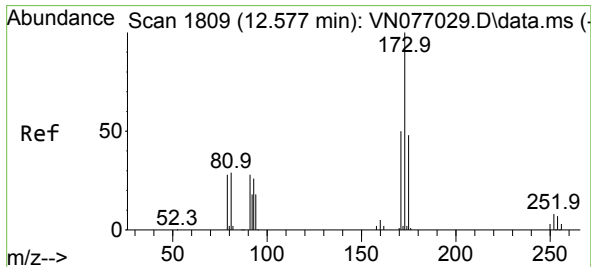
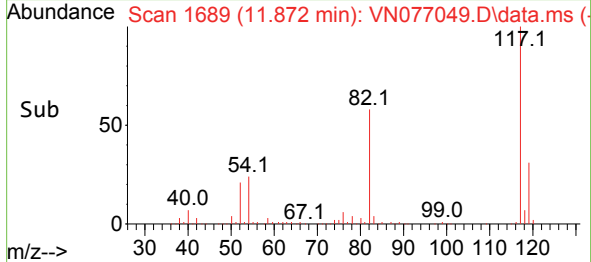
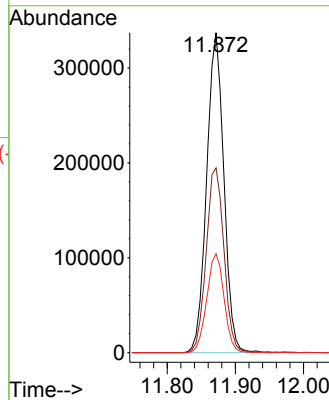
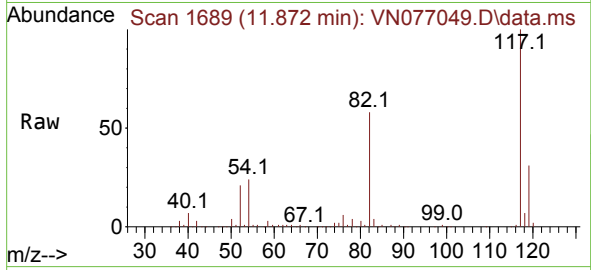




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

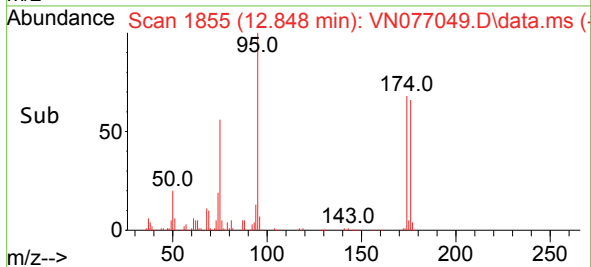
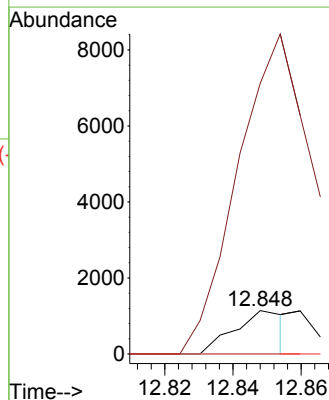
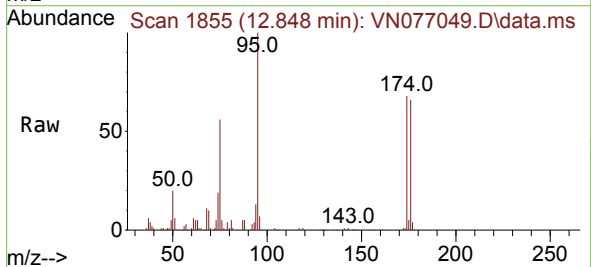
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

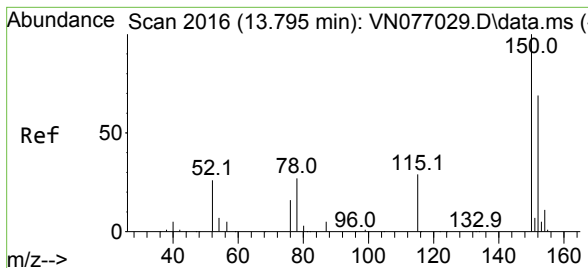
Tgt Ion:117 Resp: 592366
Ion Ratio Lower Upper
117 100
82 57.7 49.4 74.0
119 30.9 26.5 39.7



#71
Bromoform
Concen: 0.343 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion:173 Resp: 1173
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN077049.D

Acq: 17 Mar 2023 21:49

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20230313

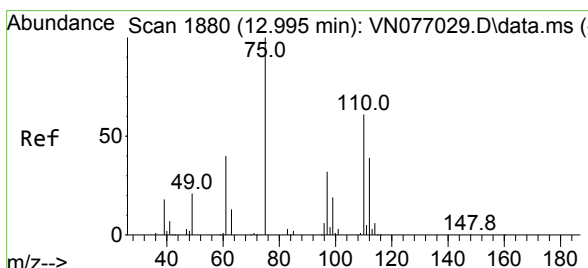
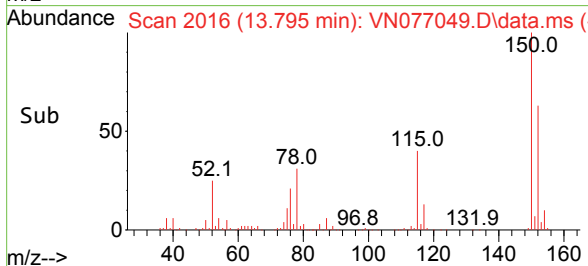
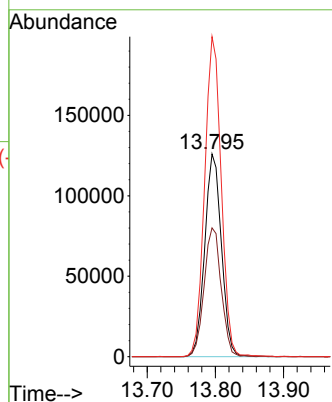
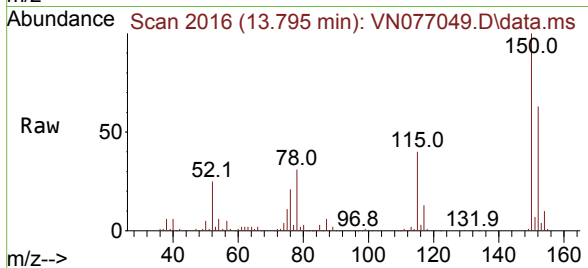
Tgt Ion:152 Resp: 214385

Ion Ratio Lower Upper

152 100

115 65.1 31.9 95.7

150 156.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 25.348 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077049.D

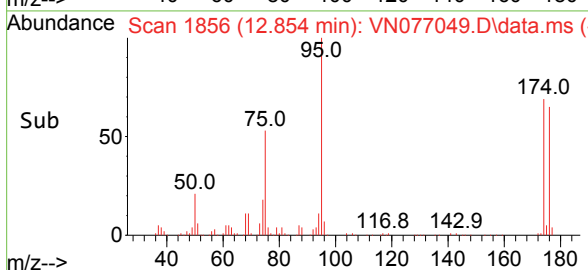
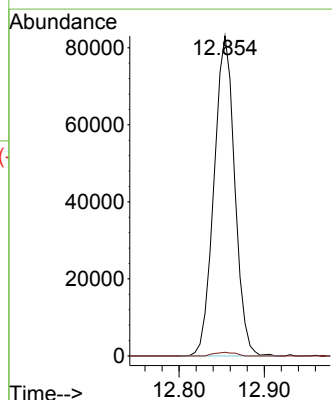
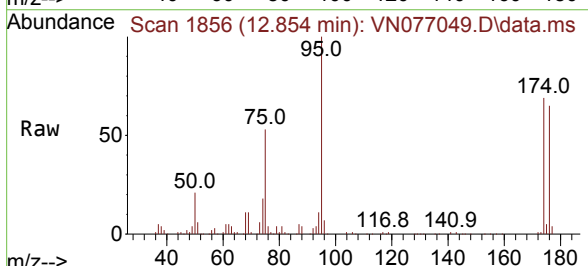
Acq: 17 Mar 2023 21:49

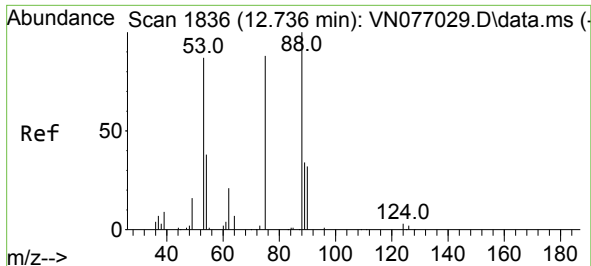
Tgt Ion: 75 Resp: 140563

Ion Ratio Lower Upper

75 100

77 1.2 107.3 322.0#

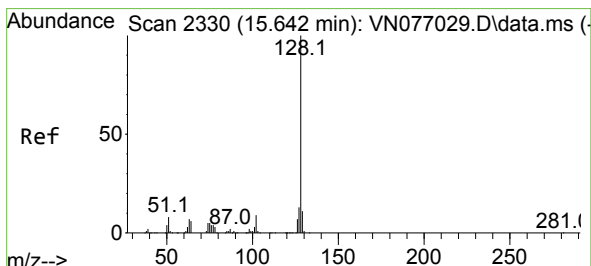
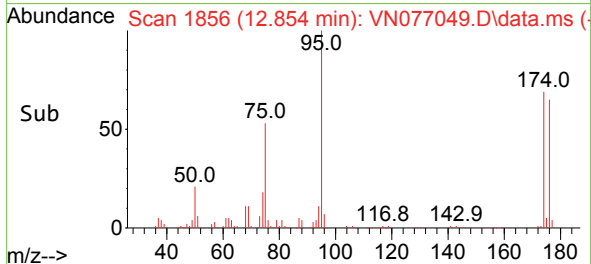
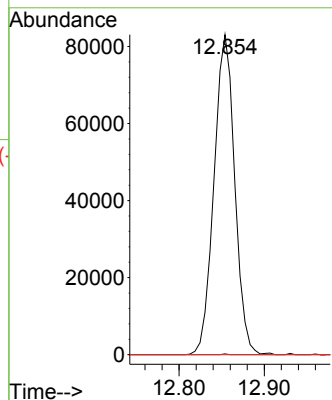
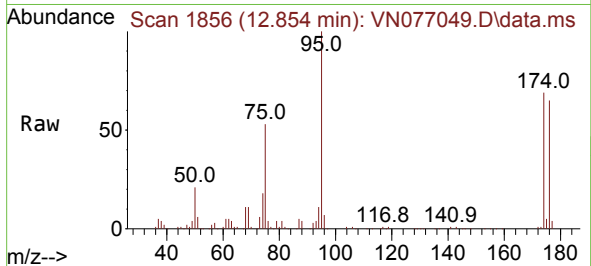




#81
trans-1,4-Dichloro-2-butene
Concen: 69.772 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20230313

Tgt Ion: 75 Resp: 140563
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.963 ug/l
RT: 15.654 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN077049.D
Acq: 17 Mar 2023 21:49

Tgt Ion: 128 Resp: 750
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

