

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077064.D
 Acq On : 20 Mar 2023 13:28
 Operator : JC\MD
 Sample : 01904-08DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20230313DL

Quant Time: Mar 21 05:35:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

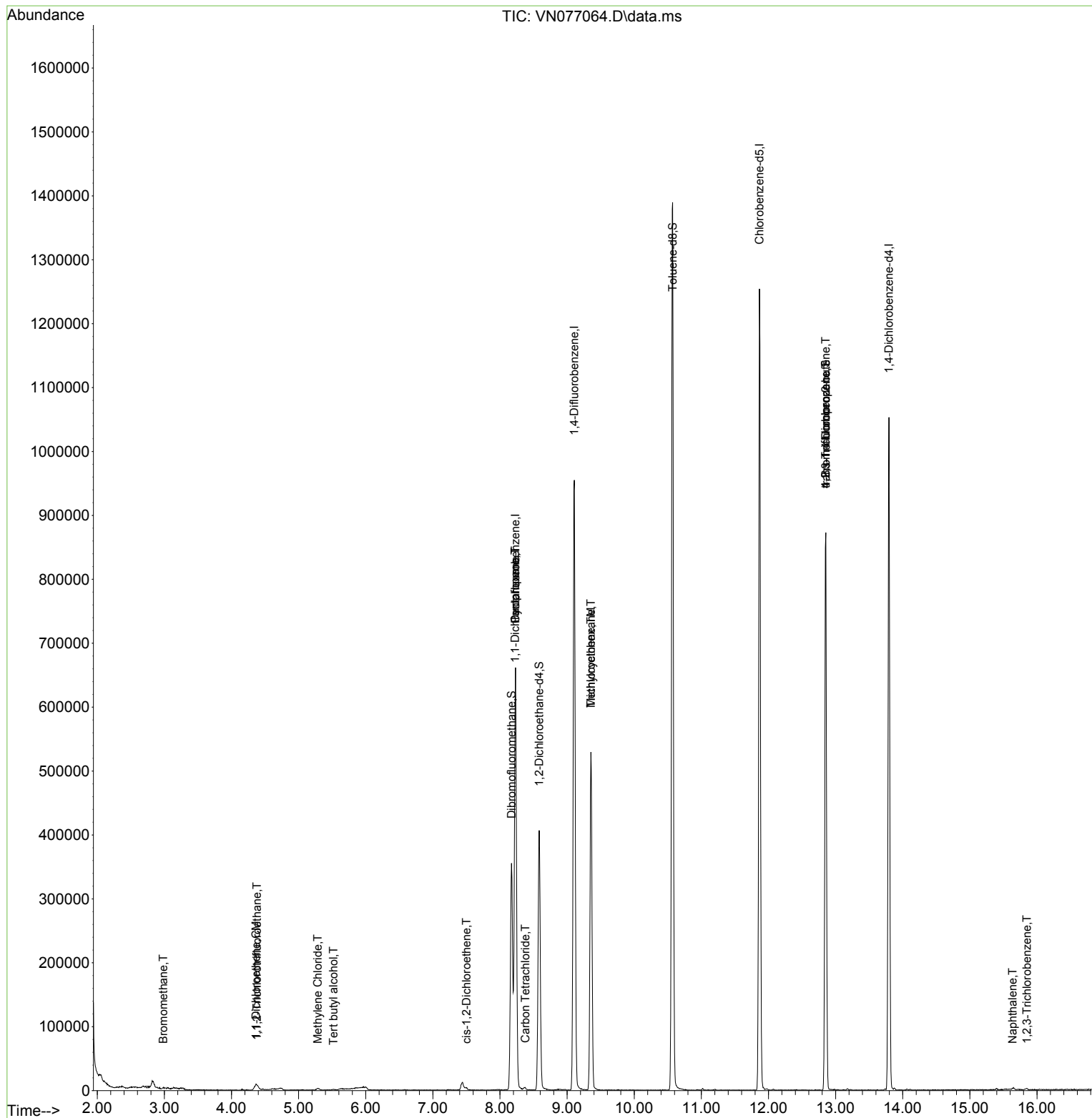
Internal Standards						
1) Pentafluorobenzene	8.231	168	452879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	813794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	710836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	269637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	332865	46.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.020%		
35) Dibromofluoromethane	8.172	113	255280	44.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.580%		
50) Toluene-d8	10.572	98	977335	48.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.854	95	316719	44.027	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.060%		
Target Compounds						Qvalue
5) Bromomethane	2.984	94	724	0.218	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.378	101	4157	0.692	ug/l #	74
11) Tert butyl alcohol	5.519	59	270	0.256	ug/l #	72
12) 1,1-Dichloroethene	4.366	96	4027	0.732	ug/l	98
20) Methylene Chloride	5.284	84	2339	0.334	ug/l #	76
27) cis-1,2-Dichloroethene	7.501	96	2057	0.301	ug/l	83
31) Cyclohexane	8.231	56	11310	0.956	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	40996	4.606	ug/l #	52
38) Carbon Tetrachloride	8.378	117	2291	0.264	ug/l #	83
39) Methylcyclohexane	9.354	83	2664	0.256	ug/l #	1
44) Trichloroethene	9.354	130	188344	30.374	ug/l	95
76) 1,2,3-Trichloropropane	12.854	75	169779	24.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	169779	67.005	ug/l #	10
95) Naphthalene	15.636	128	3116	2.079	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.848	180	996	0.215	ug/l	90

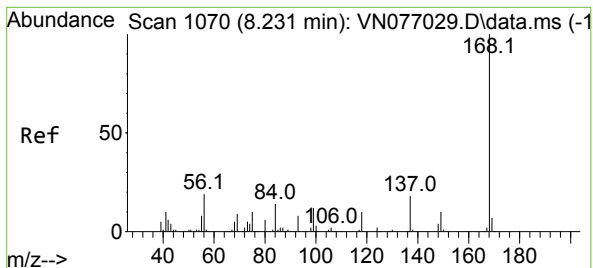
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077064.D

Acq: 20 Mar 2023 13:28

Instrument :

MSVOA_N

ClientSampleId :

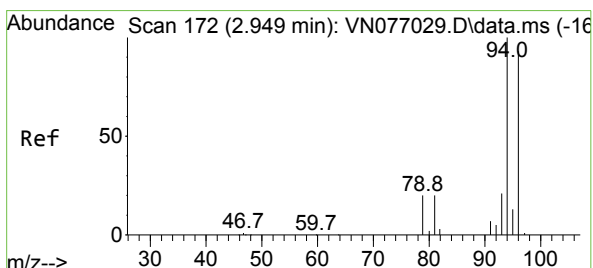
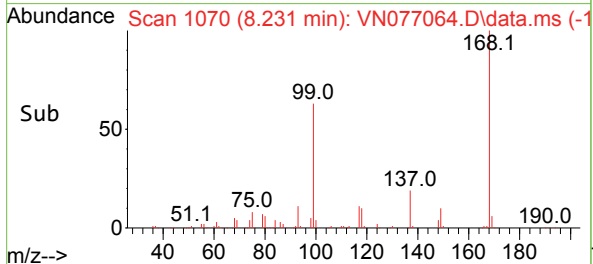
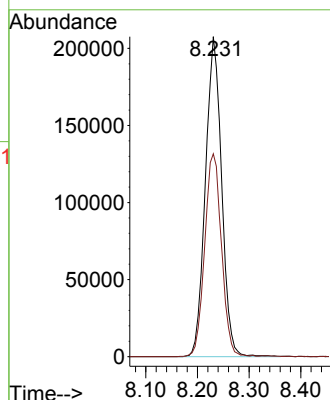
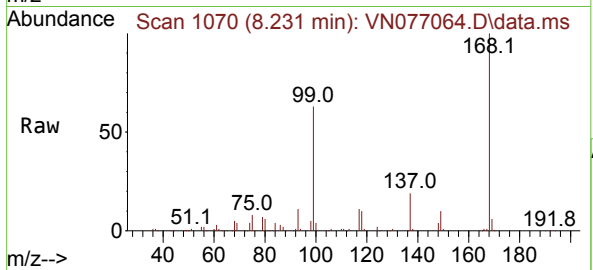
RE139D2-20230313DL

Tgt Ion:168 Resp: 452879

Ion Ratio Lower Upper

168 100

99 63.3 53.9 80.9



#5

Bromomethane

Concen: 0.218 ug/l

RT: 2.984 min Scan# 178

Delta R.T. 0.035 min

Lab File: VN077064.D

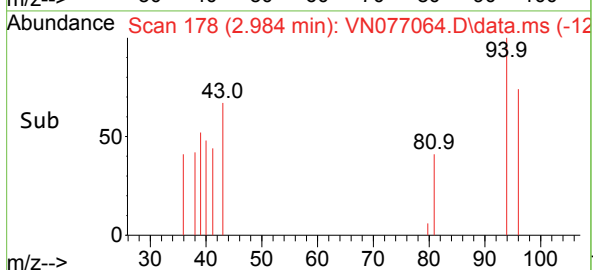
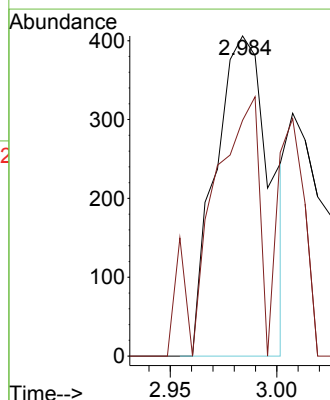
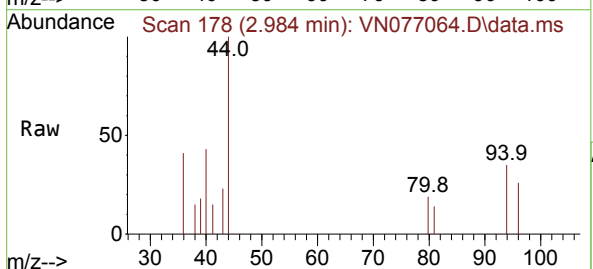
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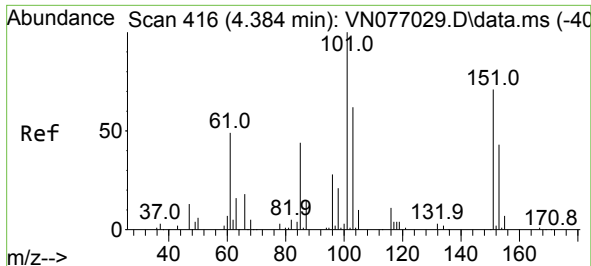
Tgt Ion: 94 Resp: 724

Ion Ratio Lower Upper

94 100

96 36.7 74.1 111.1#

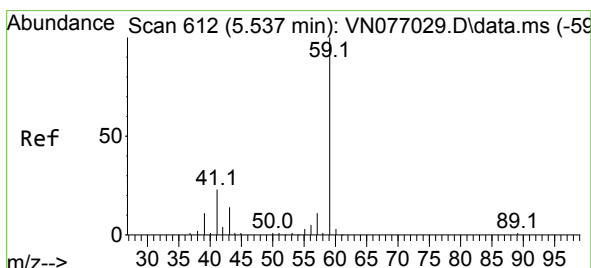
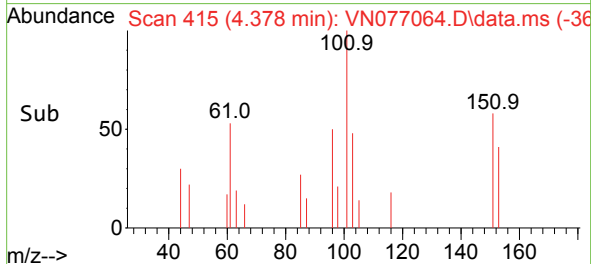
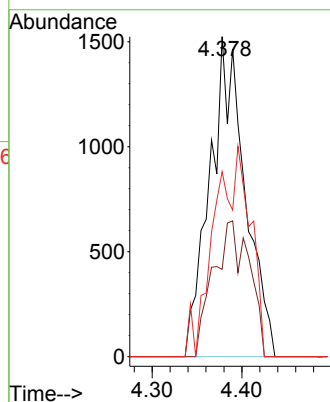
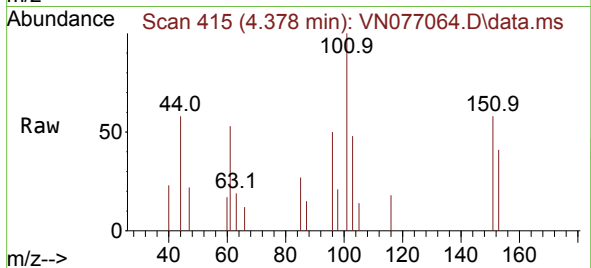




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.692 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

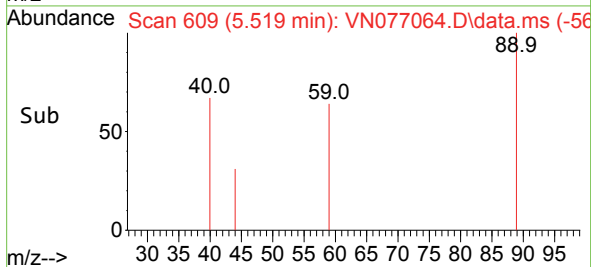
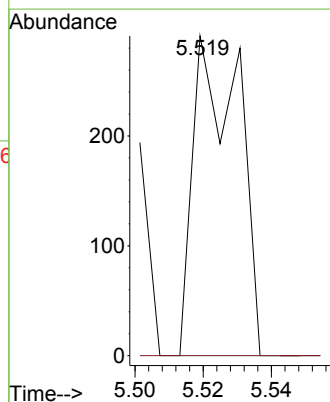
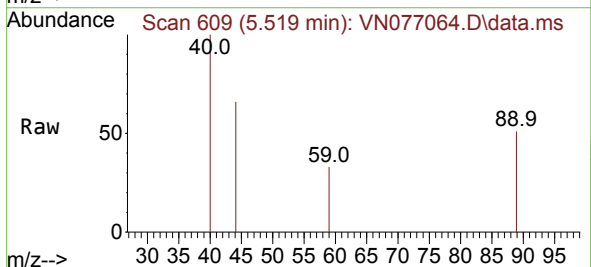
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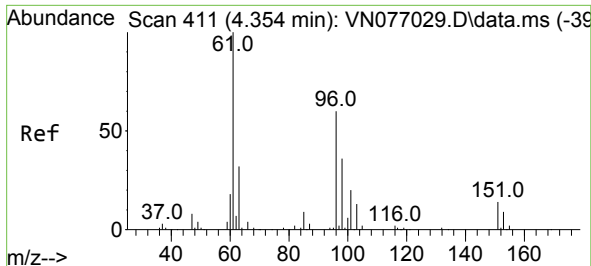
Tgt Ion:101 Resp: 4157
Ion Ratio Lower Upper
101 100
85 43.1 36.6 55.0
151 38.3 56.9 85.3#



#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

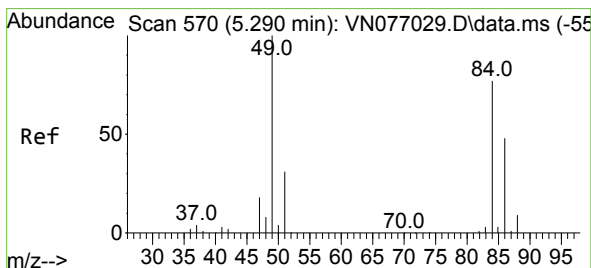
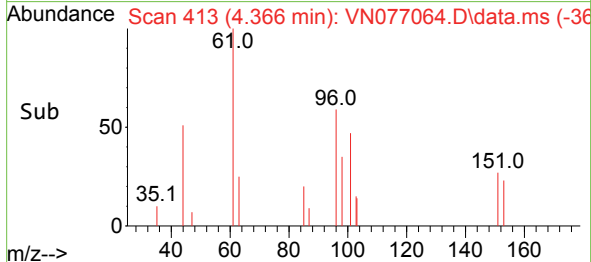
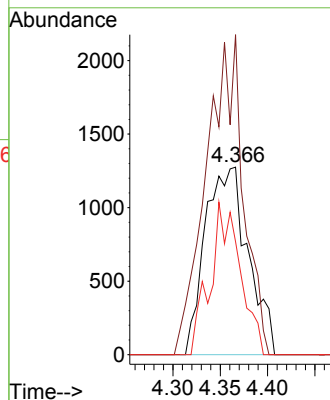
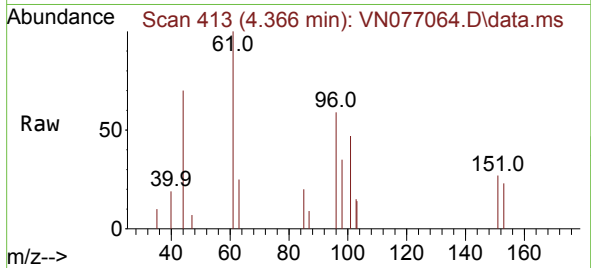




#12
 1,1-Dichloroethene
 Concen: 0.732 ug/l
 RT: 4.366 min Scan# 411
 Delta R.T. 0.012 min
 Lab File: VN077064.D
 Acq: 20 Mar 2023 13:28

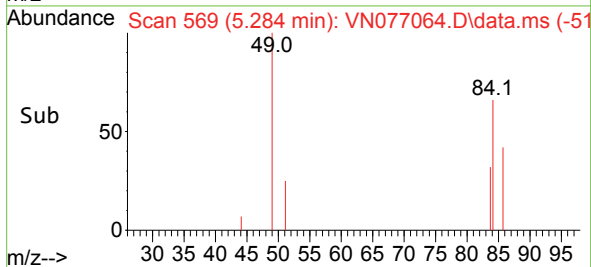
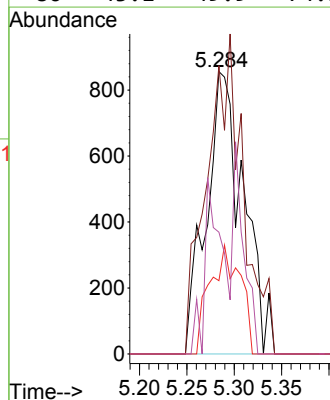
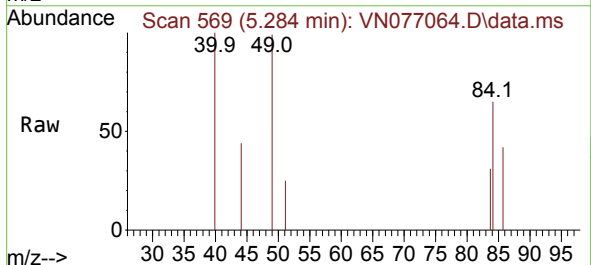
Instrument :
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 ClientSampleId :
 RE139D2-20230313DL

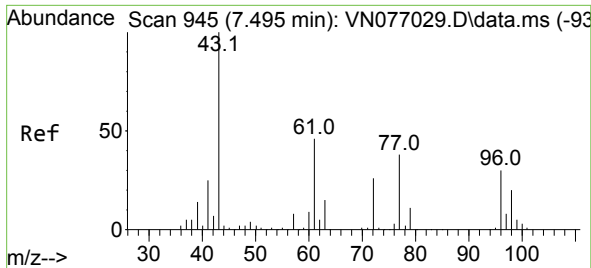
Tgt Ion: 96 Resp: 4027
 Ion Ratio Lower Upper
 96 100
 61 170.7 133.8 200.8
 98 60.2 48.6 72.8



#20
 Methylene Chloride
 Concen: 0.334 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VN077064.D
 Acq: 20 Mar 2023 13:28

Tgt Ion: 84 Resp: 2339
 Ion Ratio Lower Upper
 84 100
 49 102.1 103.8 155.6#
 51 25.9 32.3 48.5#
 86 43.1 49.9 74.9#

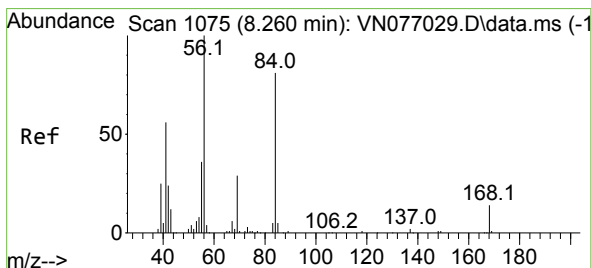
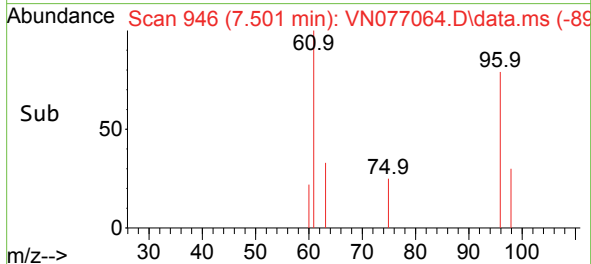
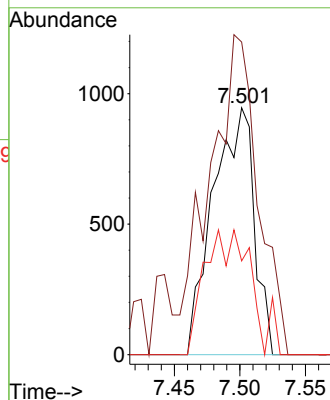
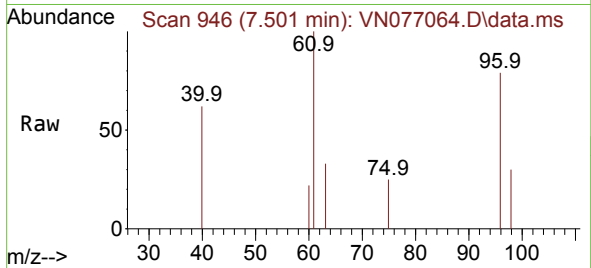




#27
 cis-1,2-Dichloroethene
 Concen: 0.301 ug/l
 RT: 7.501 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN077064.D
 Acq: 20 Mar 2023 13:28

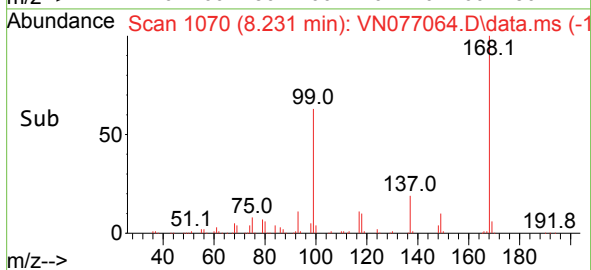
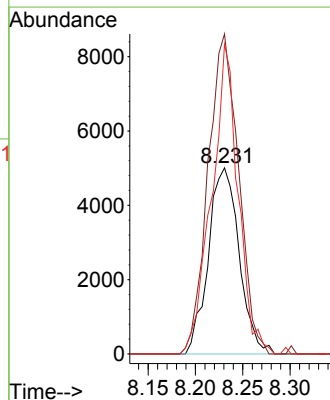
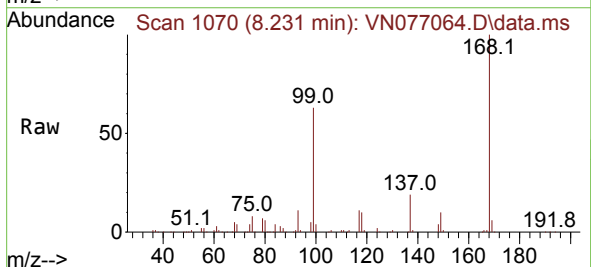
Instrument :
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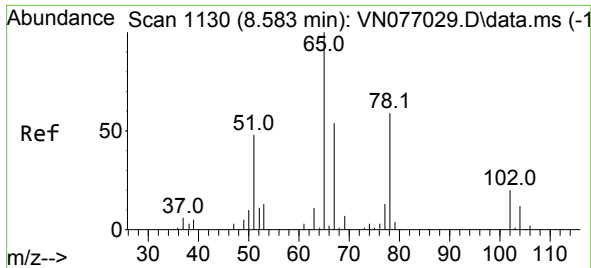
Tgt Ion: 96 Resp: 2057
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 315.4
 98 29.2 0.0 128.6



#31
 Cyclohexane
 Concen: 0.956 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.029 min
 Lab File: VN077064.D
 Acq: 20 Mar 2023 13:28

Tgt Ion: 56 Resp: 11310
 Ion Ratio Lower Upper
 56 100
 69 172.0 22.8 34.2#
 84 166.4 64.7 97.1#

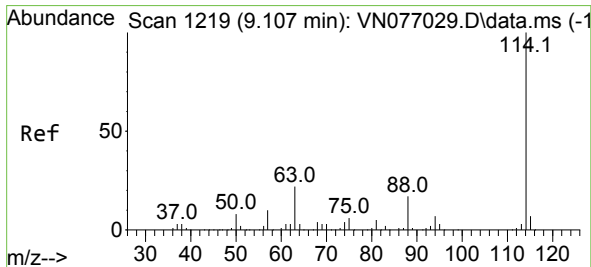
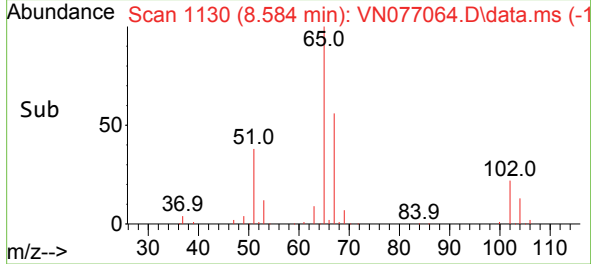
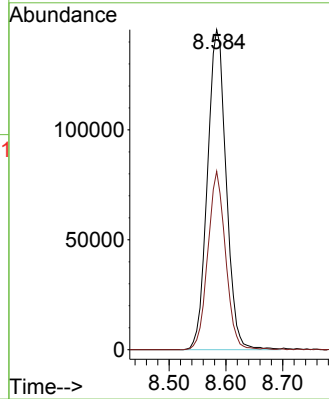
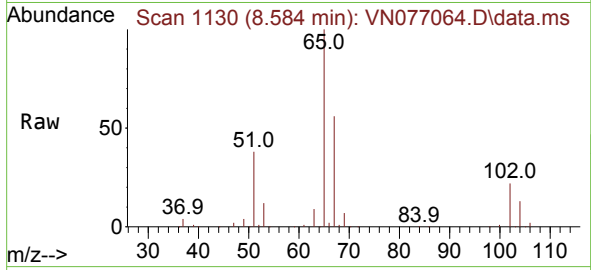




#33
1,2-Dichloroethane-d4
Concen: 46.014 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

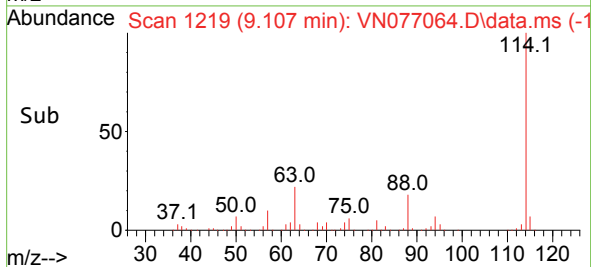
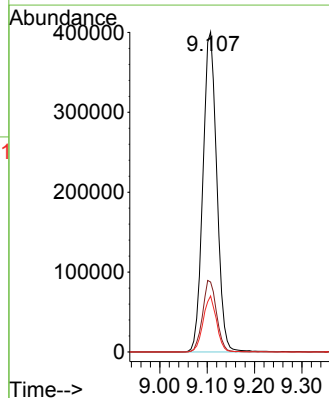
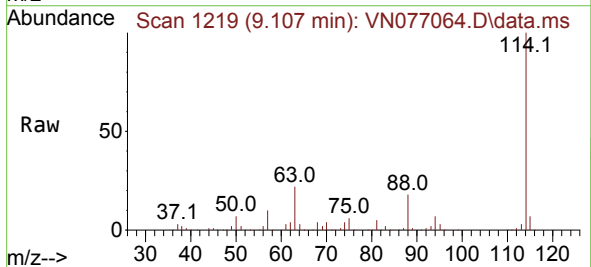
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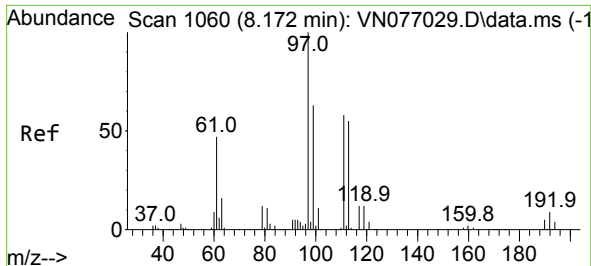
Tgt Ion: 65 Resp: 332865
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 114 Resp: 813794
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.6
88 17.5 0.0 33.8

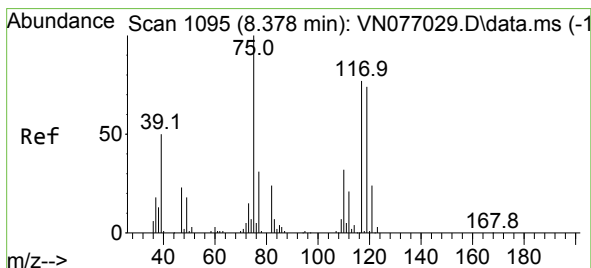
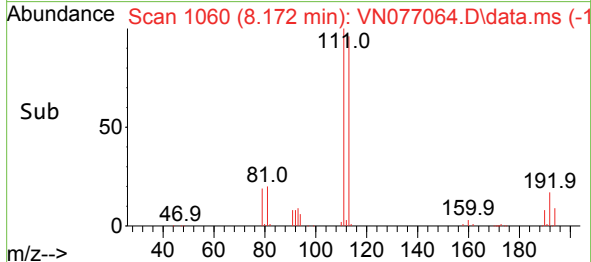
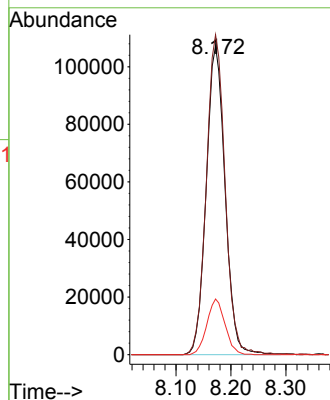
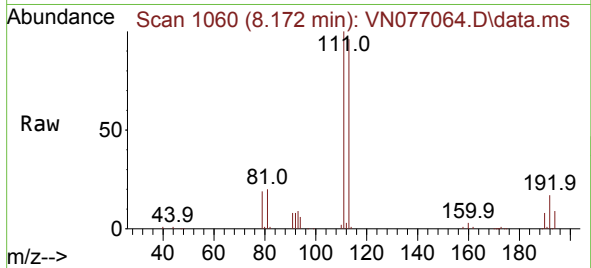




#35
Dibromofluoromethane
Concen: 44.793 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

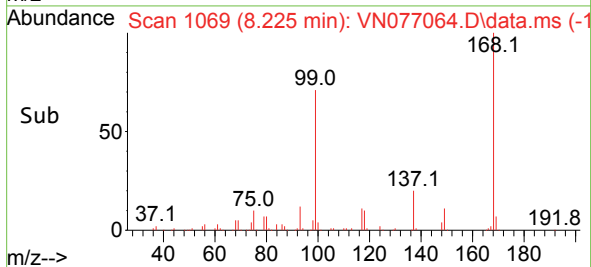
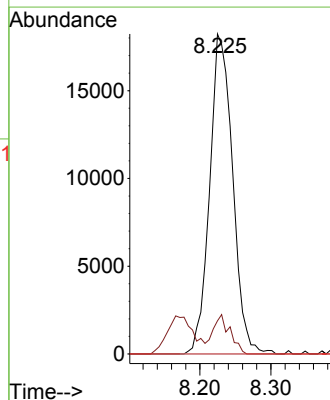
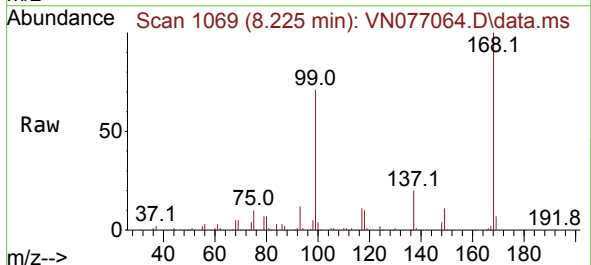
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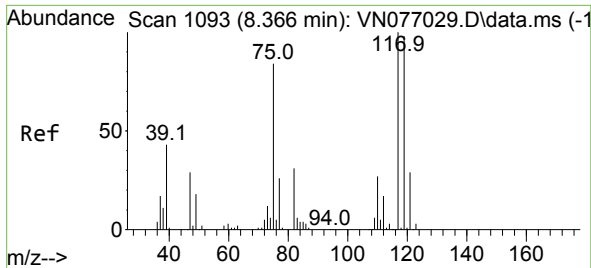
Tgt Ion:113 Resp: 255280
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 17.4 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.606 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 75 Resp: 40996
Ion Ratio Lower Upper
75 100
110 9.1 15.9 47.7#
77 0.0 24.3 36.5#

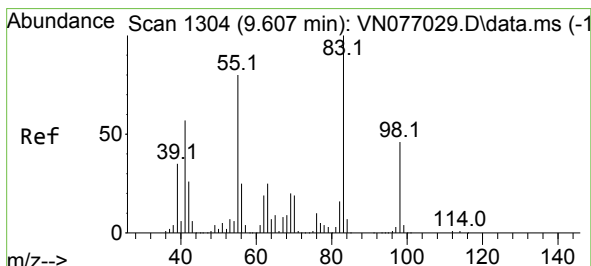
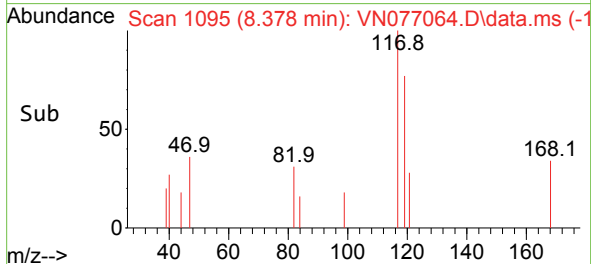
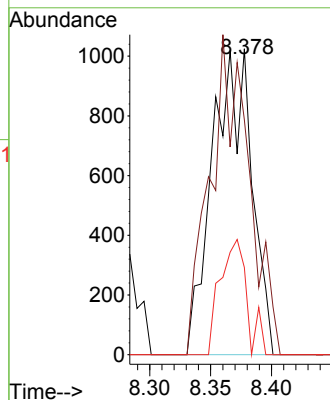
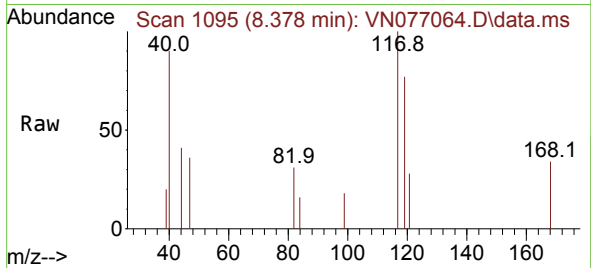




#38
Carbon Tetrachloride
Concen: 0.264 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. 0.012 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

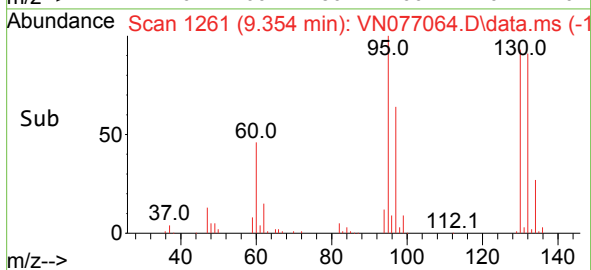
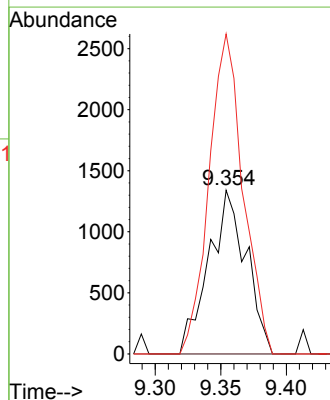
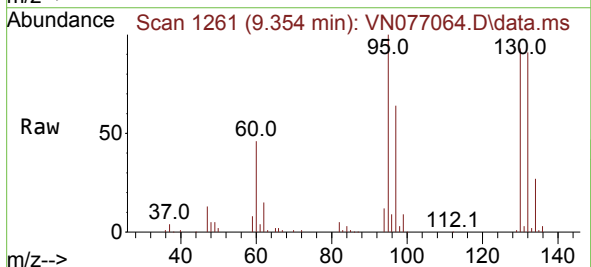
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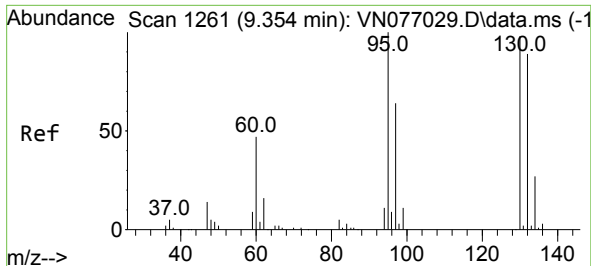
Tgt Ion:117 Resp: 2291
Ion Ratio Lower Upper
117 100
119 76.8 78.2 117.2#
121 28.5 23.2 34.8



#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 83 Resp: 2664
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 195.5 37.1 55.7#

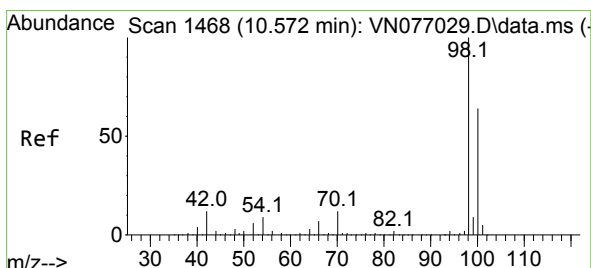
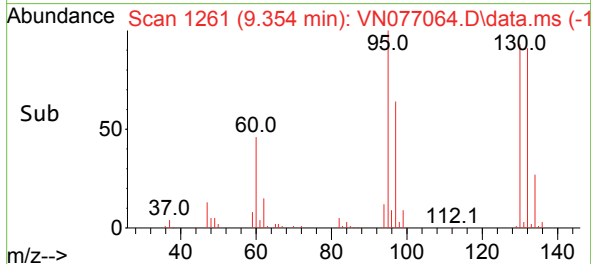
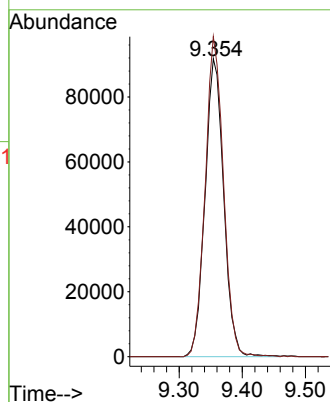
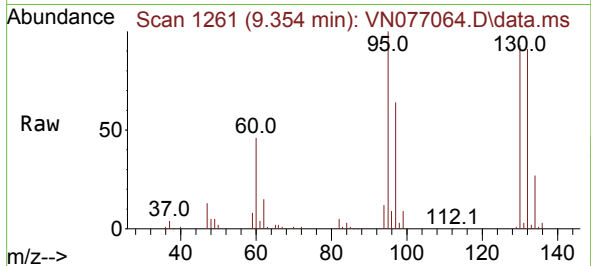




#44
Trichloroethene
Concen: 30.374 ug/l
RT: 9.354 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

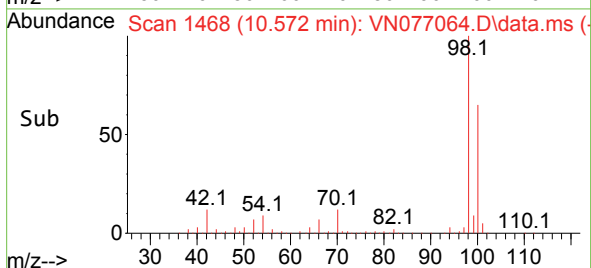
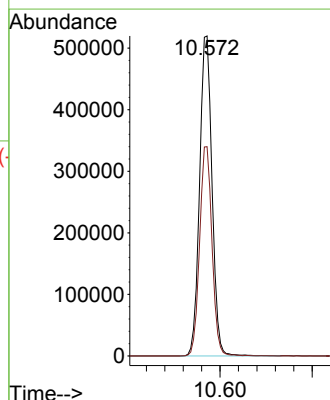
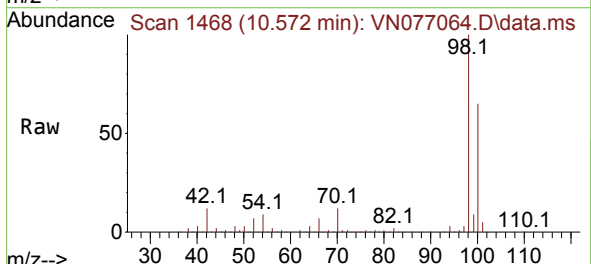
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313DL

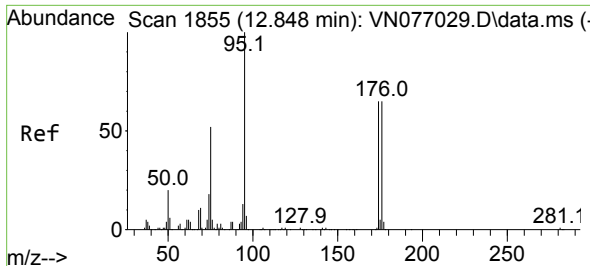
Tgt Ion:130 Resp: 188344
Ion Ratio Lower Upper
130 100
95 107.4 0.0 204.4



#50
Toluene-d8
Concen: 48.008 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 98 Resp: 977335
Ion Ratio Lower Upper
98 100
100 65.1 51.6 77.4

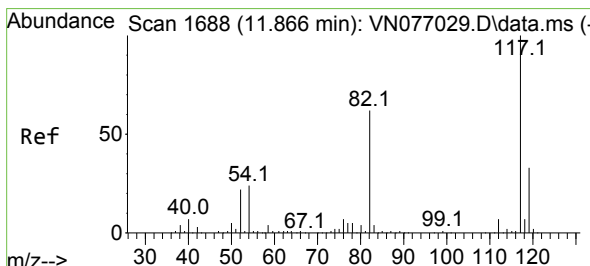
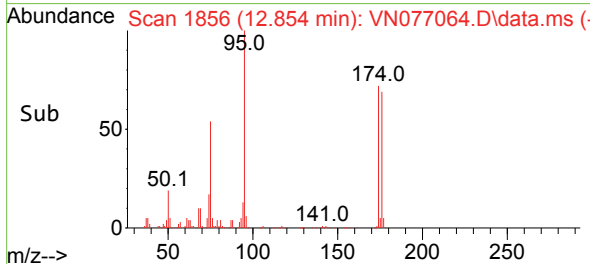
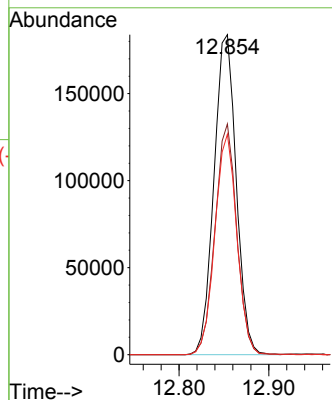
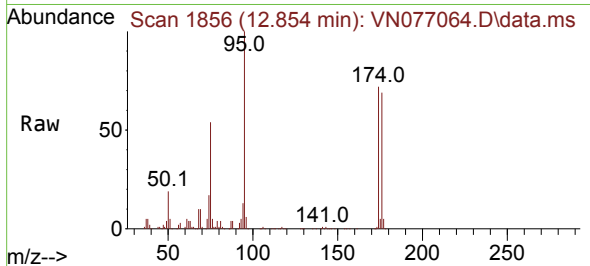




#62
4-Bromofluorobenzene
Concen: 44.027 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

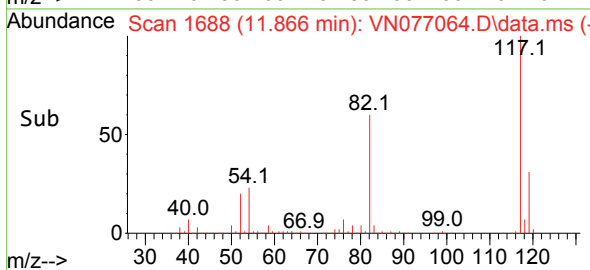
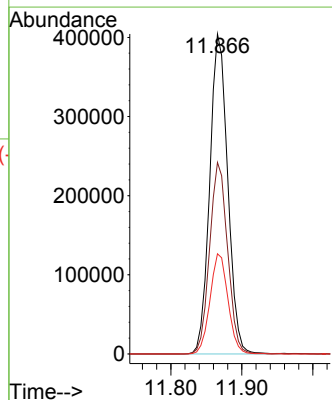
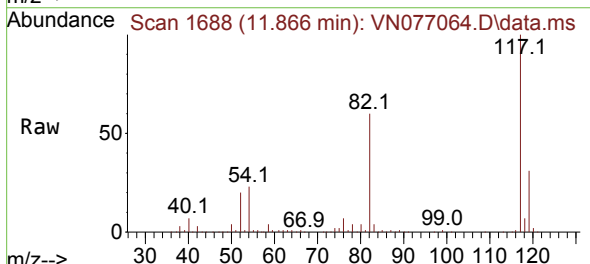
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313DL

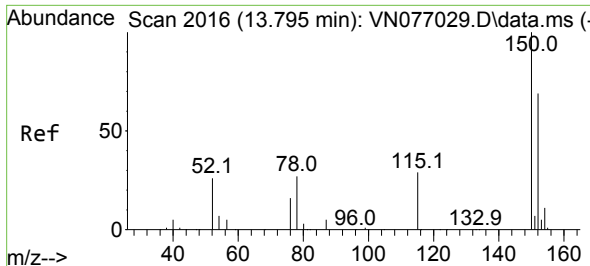
Tgt Ion: 95 Resp: 316719
Ion Ratio Lower Upper
95 100
174 70.3 0.0 136.6
176 68.0 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 117 Resp: 710836
Ion Ratio Lower Upper
117 100
82 59.9 49.4 74.0
119 31.3 26.5 39.7

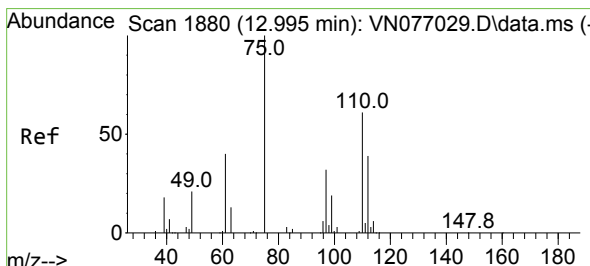
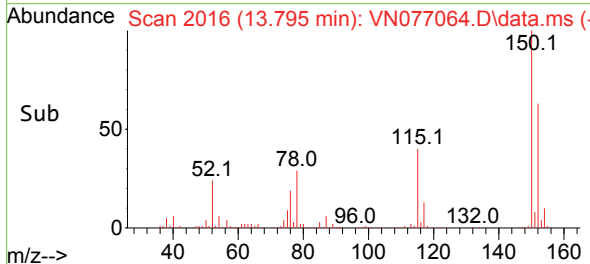
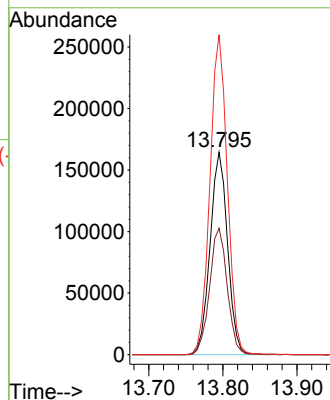
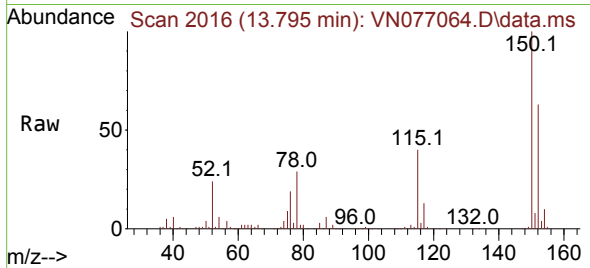




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

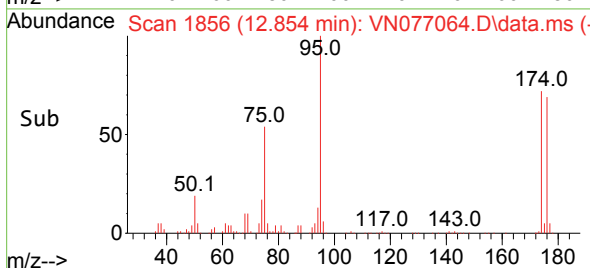
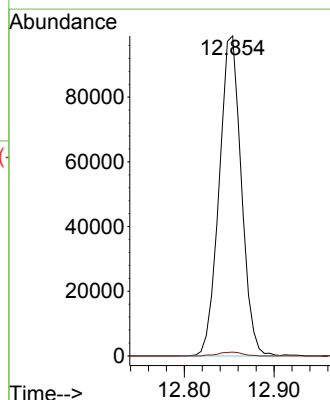
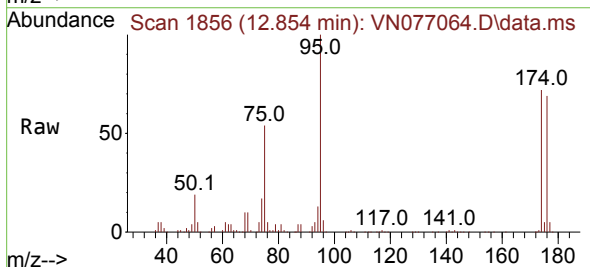
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313DL

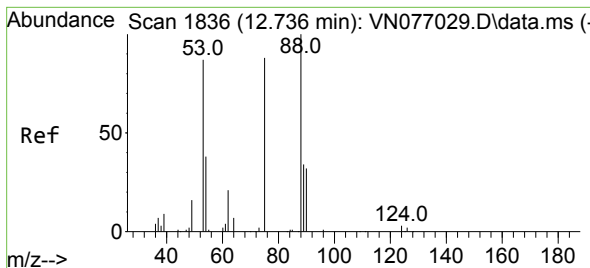
Tgt Ion:152 Resp: 269637
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.7
150 157.1 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 24.343 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

Tgt Ion: 75 Resp: 169779
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#

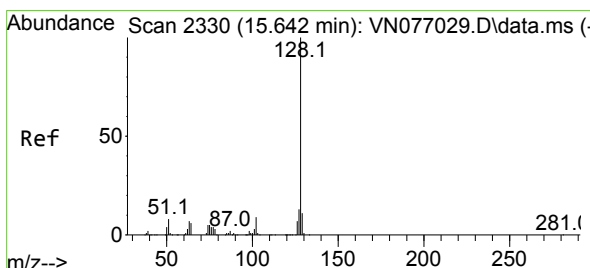
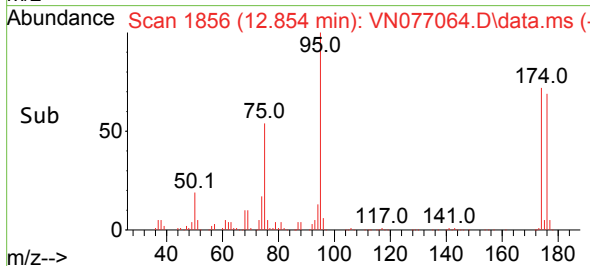
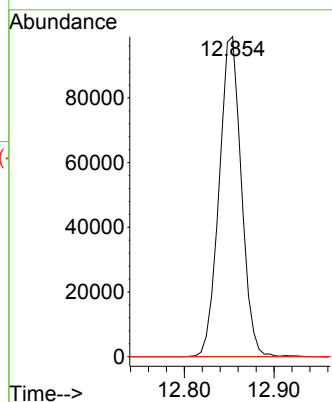
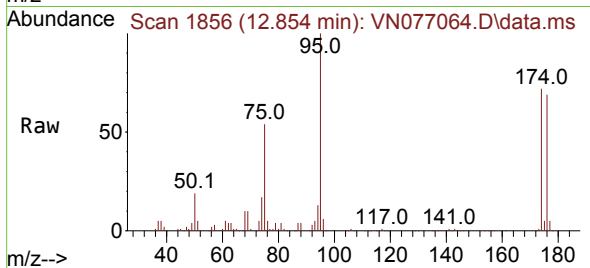




#81
trans-1,4-Dichloro-2-butene
Concen: 67.005 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

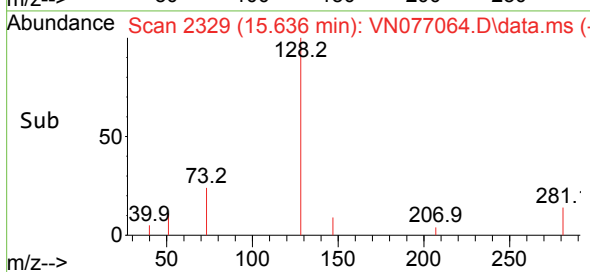
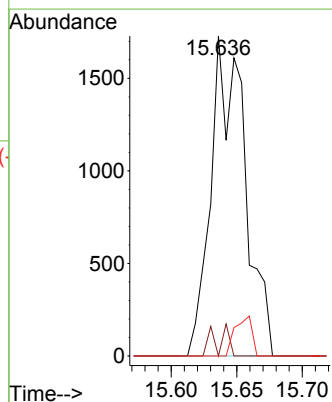
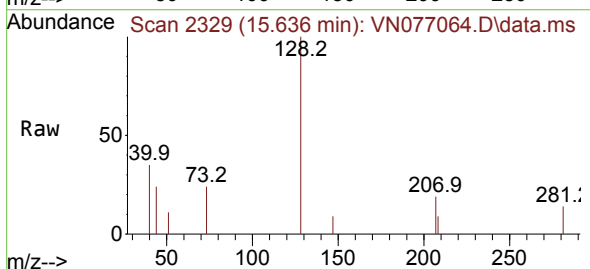
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313DL

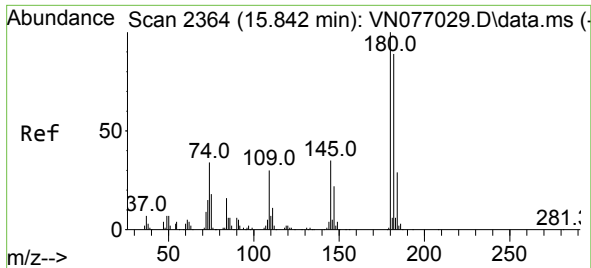
Tgt Ion: 75 Resp: 169779
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 2.079 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN077064.D
Acq: 20 Mar 2023 13:28

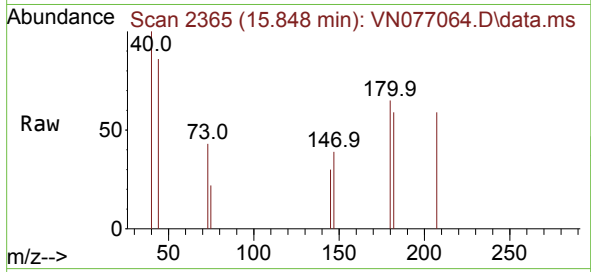
Tgt Ion:128 Resp: 3116
Ion Ratio Lower Upper
128 100
127 3.8 10.0 15.0#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077064.D
 Acq: 20 Mar 2023 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20230313DL



Tgt Ion:	180	Resp:	996
Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.4	142.2
145	27.2	17.9	53.8

