

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077045.D
 Acq On : 17 Mar 2023 20:12
 Operator : JC\MD
 Sample : 01904-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20230313

Quant Time: Mar 18 02:34:47 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)

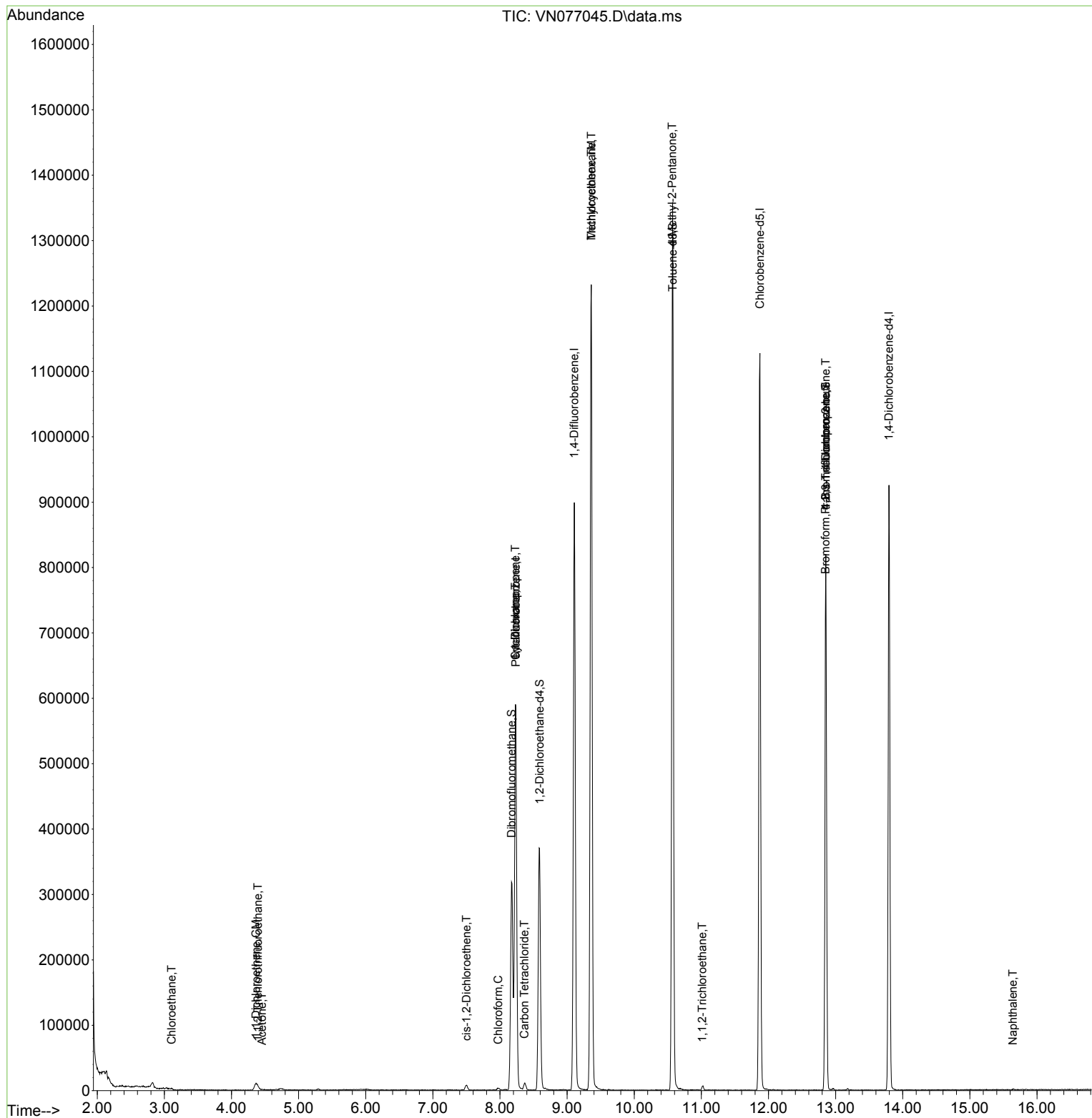
Internal Standards						
1) Pentafluorobenzene	8.236	168	403610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	740651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	640257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	236549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	314326	48.756	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.520%
35) Dibromofluoromethane	8.172	113	232843	44.891	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.780%
50) Toluene-d8	10.572	98	910696	49.152	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.854	95	285615	43.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	121	Below Cal	#	42
6) Chloroethane	3.107	64	603	0.217	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.396	101	4542	0.848	ug/l #	47
12) 1,1-Dichloroethene	4.366	96	5203	1.062	ug/l #	60
16) Acetone	4.454	43	1550	0.540	ug/l #	84
27) cis-1,2-Dichloroethene	7.501	96	4539	0.746	ug/l	85
30) Chloroform	7.972	83	2855	0.262	ug/l #	82
31) Cyclohexane	8.231	56	10869	1.030	ug/l #	3
36) 1,1-Dichloropropene	8.231	75	39554	4.882	ug/l #	50
38) Carbon Tetrachloride	8.366	117	7642	0.968	ug/l	95
39) Methylcyclohexane	9.360	83	6135	0.647	ug/l #	1
44) Trichloroethene	9.360	130	429427	76.091	ug/l	94
51) 4-Methyl-2-Pentanone	10.566	43	4510	0.535	ug/l #	1
55) 1,1,2-Trichloroethane	11.013	97	2259	0.391	ug/l #	87
71) Bromoform	12.848	173	1513	0.410	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	154103	25.186	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	154103	69.325	ug/l #	10
95) Naphthalene	15.642	128	1018	1.974	ug/l #	70

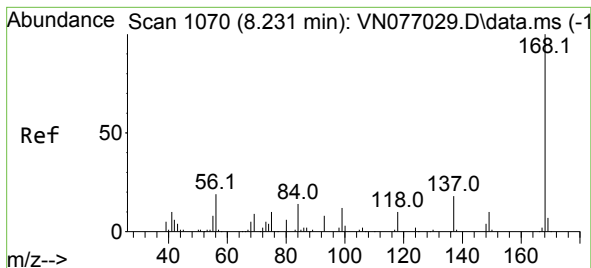
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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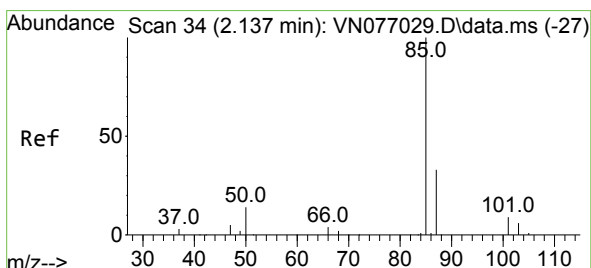
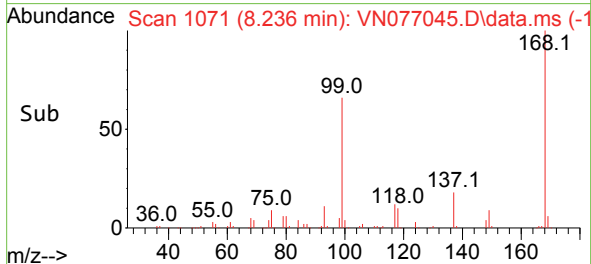
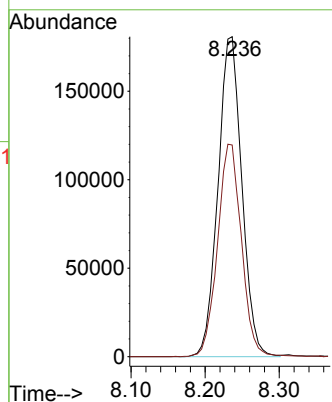
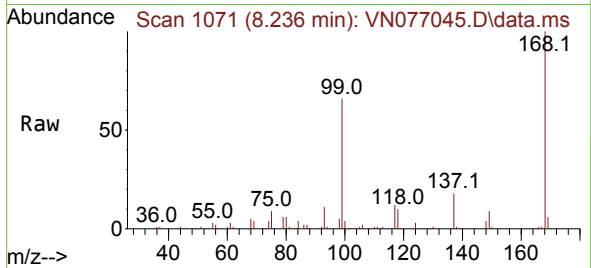




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

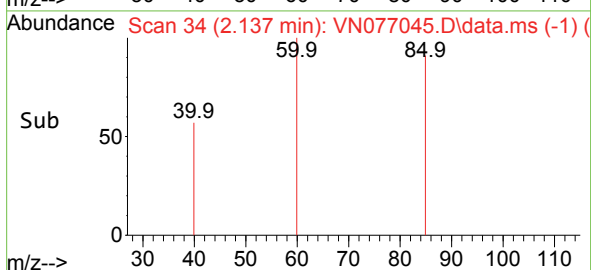
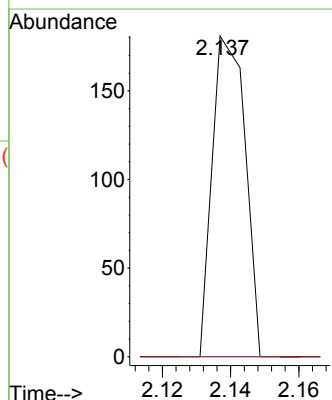
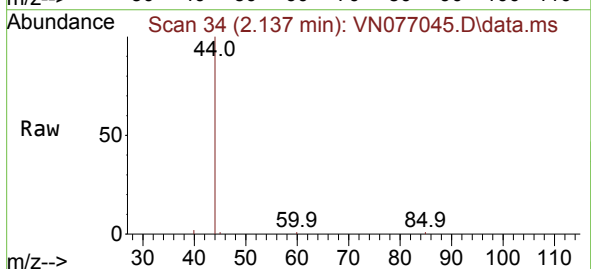
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

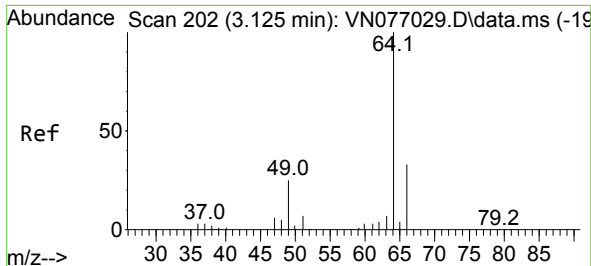
Tgt Ion:168 Resp: 403610
Ion Ratio Lower Upper
168 100
99 66.2 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 85 Resp: 121
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

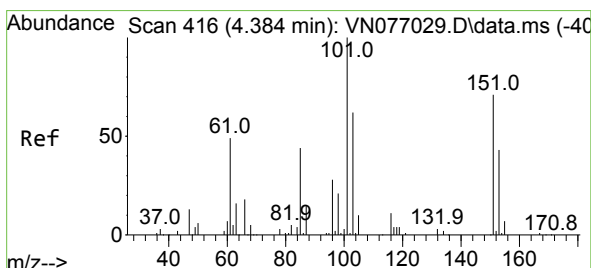
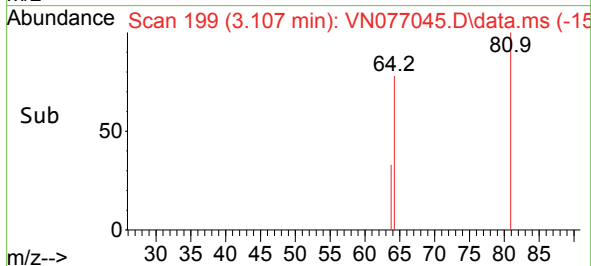
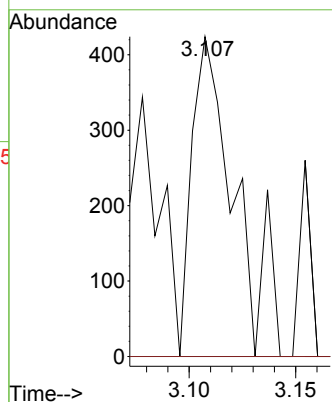
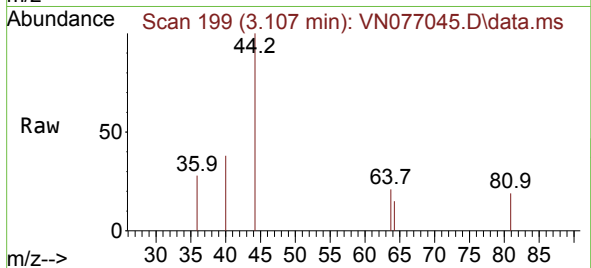




#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.107 min Scan# 199
Delta R.T. -0.018 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

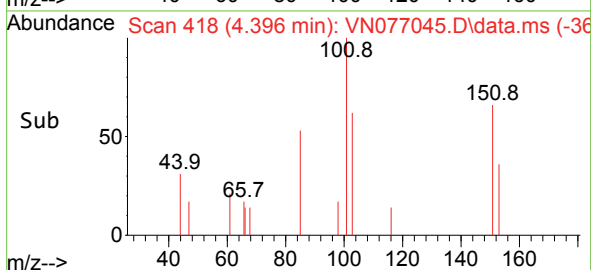
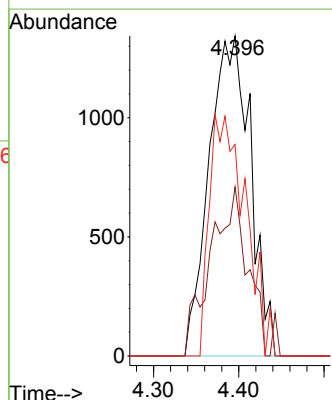
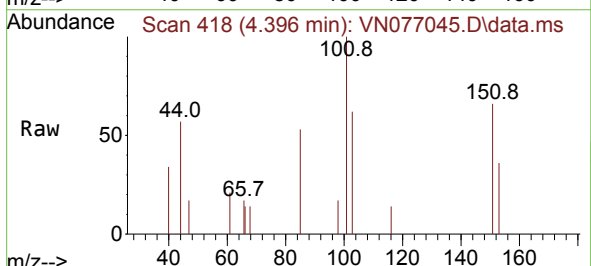
Instrument :
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ClientSampleId :
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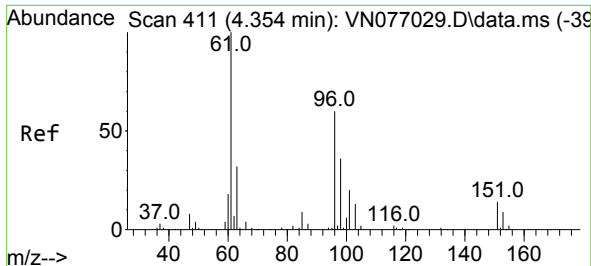
Tgt Ion: 64 Resp: 603
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.848 ug/l
RT: 4.396 min Scan# 418
Delta R.T. 0.012 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion:101 Resp: 4542
Ion Ratio Lower Upper
101 100
85 46.9 36.6 55.0
151 0.0 56.9 85.3#

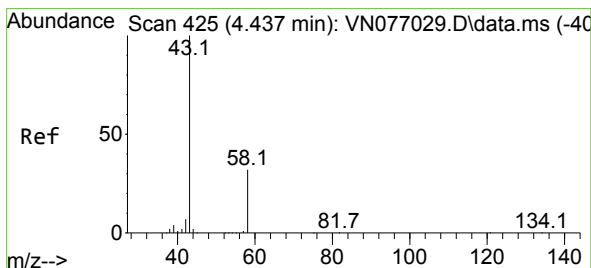
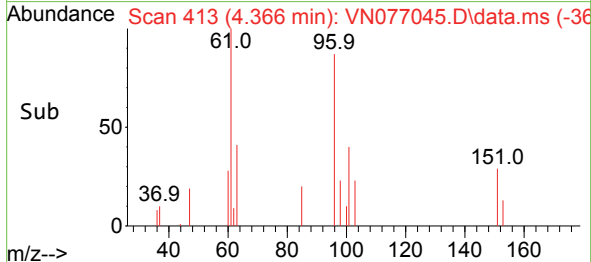
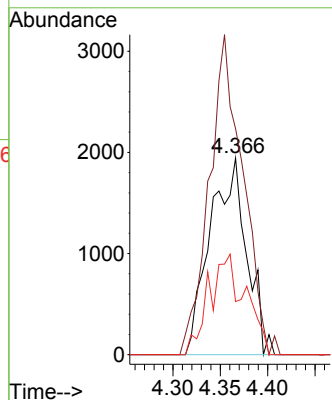
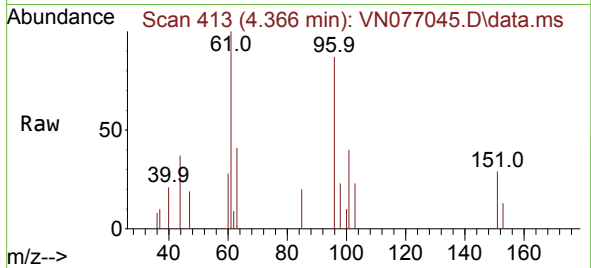




#12
1,1-Dichloroethene
Concen: 1.062 ug/l
RT: 4.366 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

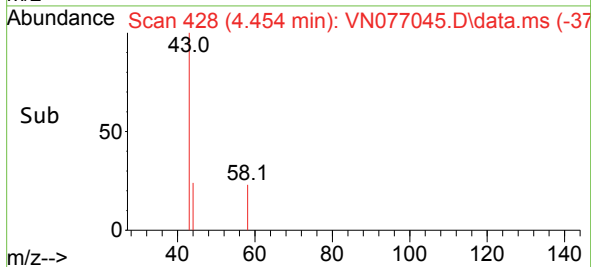
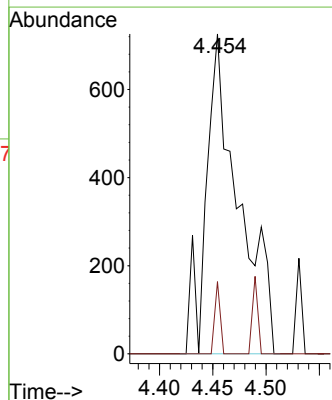
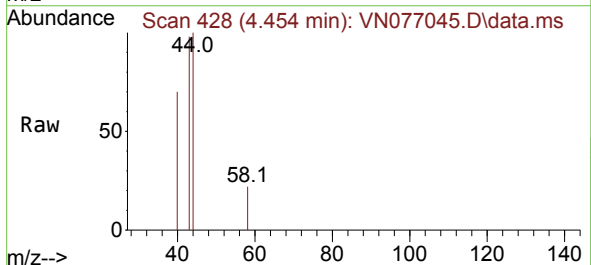
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

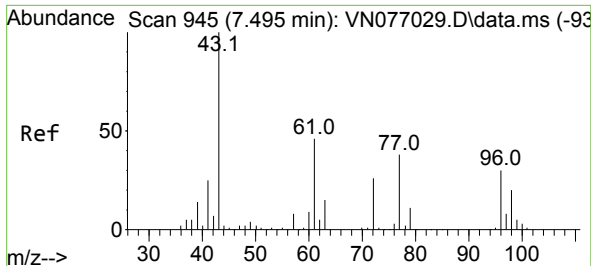
Tgt Ion: 96 Resp: 5203
Ion Ratio Lower Upper
96 100
61 115.0 133.8 200.8#
98 27.0 48.6 72.8#



#16
Acetone
Concen: 0.540 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.018 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
58 22.6 25.4 38.0#

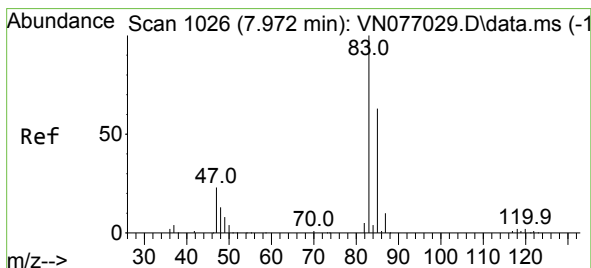
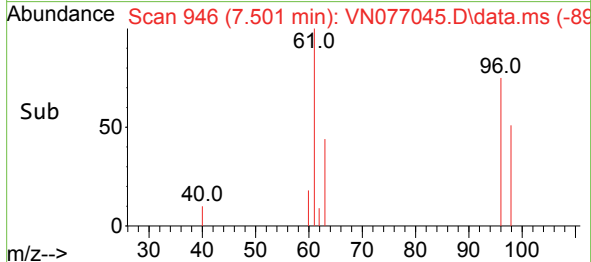
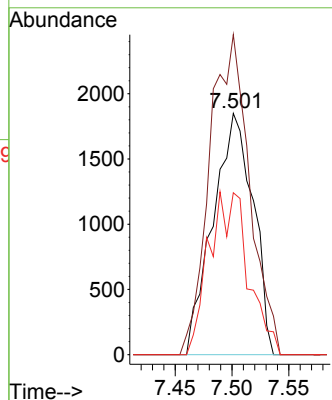
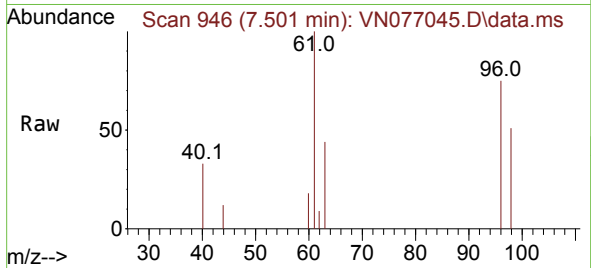




#27
 cis-1,2-Dichloroethene
 Concen: 0.746 ug/l
 RT: 7.501 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN077045.D
 Acq: 17 Mar 2023 20:12

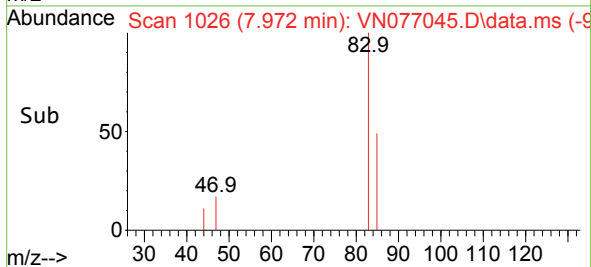
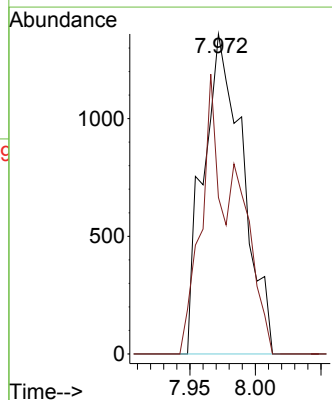
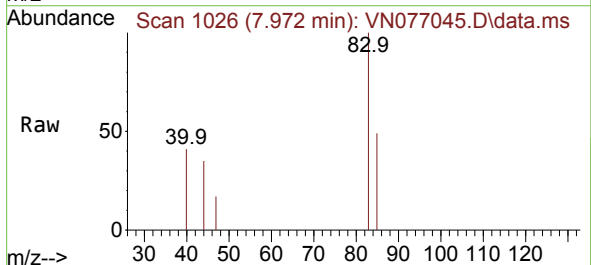
Instrument :
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 ClientSampleId :
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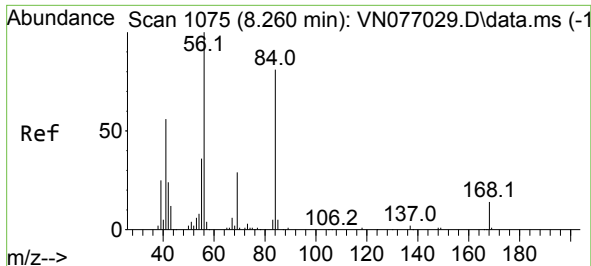
Tgt Ion: 96 Resp: 4539
 Ion Ratio Lower Upper
 96 100
 61 132.0 0.0 315.4
 98 66.3 0.0 128.6



#30
 Chloroform
 Concen: 0.262 ug/l
 RT: 7.972 min Scan# 1026
 Delta R.T. 0.000 min
 Lab File: VN077045.D
 Acq: 17 Mar 2023 20:12

Tgt Ion: 83 Resp: 2855
 Ion Ratio Lower Upper
 83 100
 85 48.9 50.6 75.8#

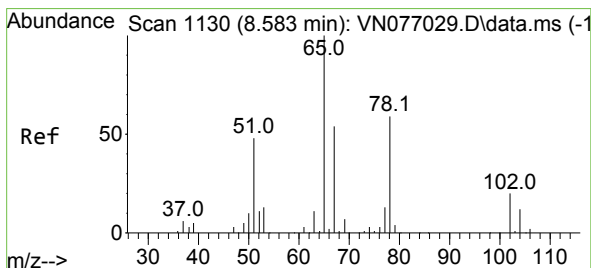
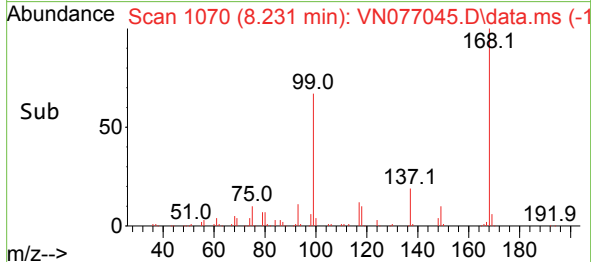
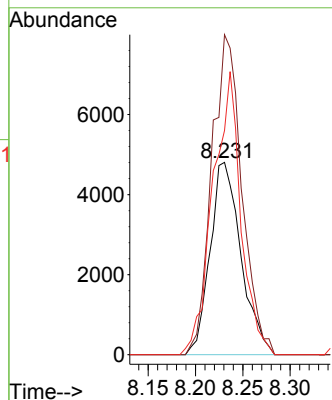
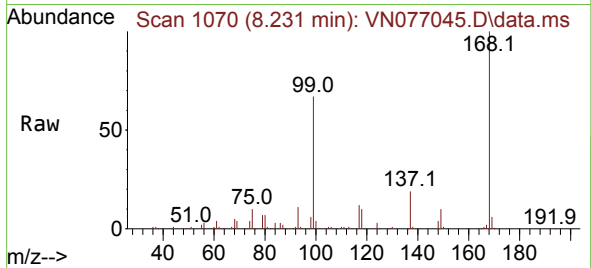




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

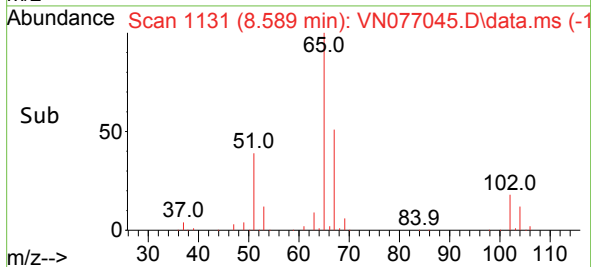
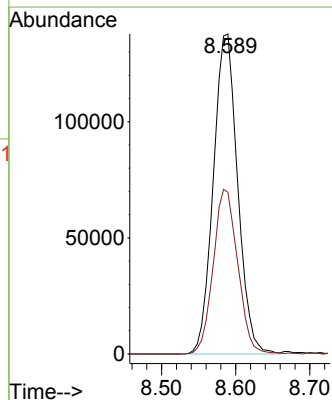
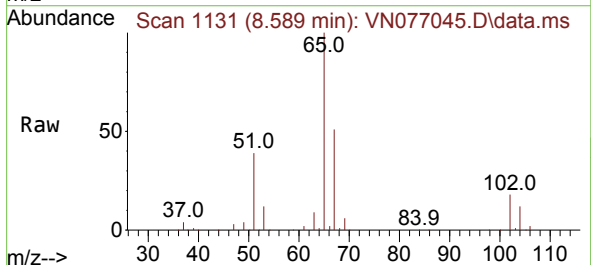
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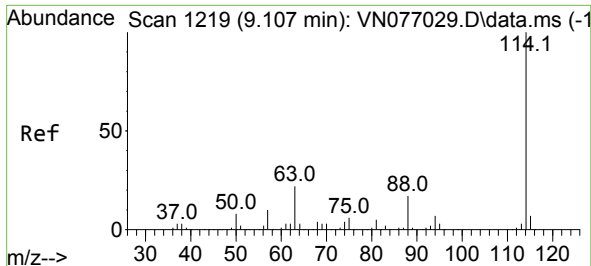
Tgt Ion: 56 Resp: 10869
Ion Ratio Lower Upper
56 100
69 166.4 22.8 34.2#
84 116.5 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 48.756 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 65 Resp: 314326
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2

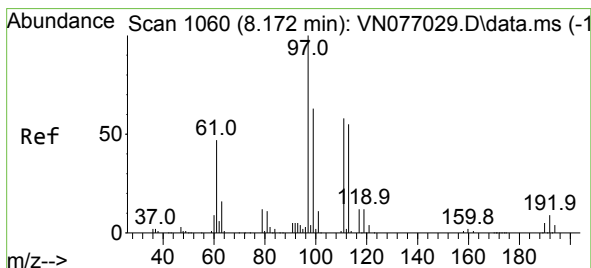
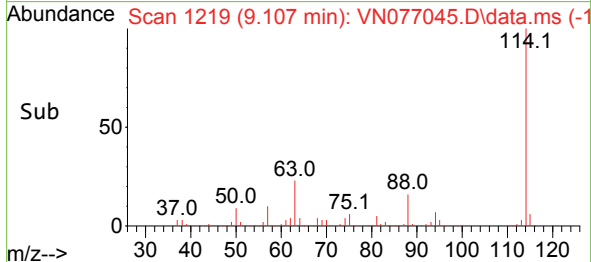
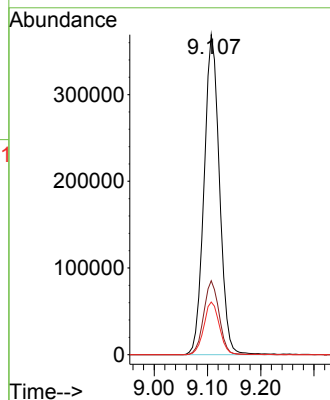
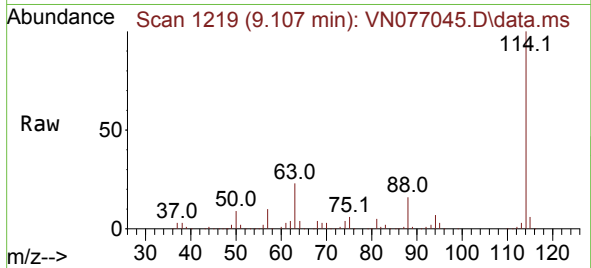




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

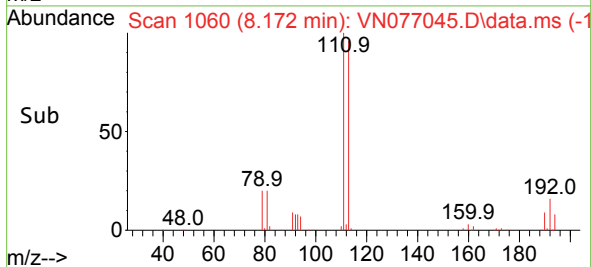
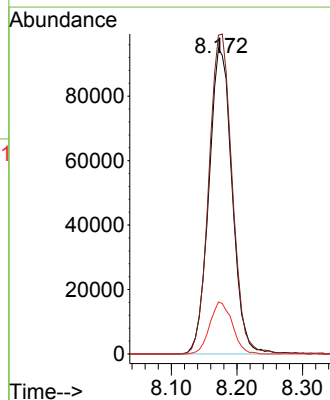
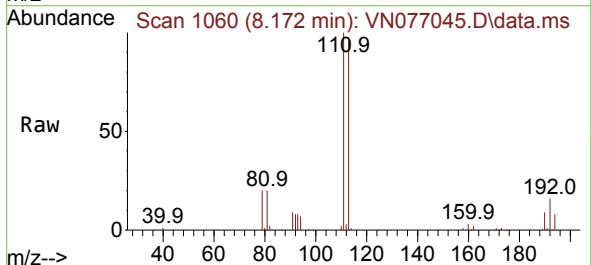
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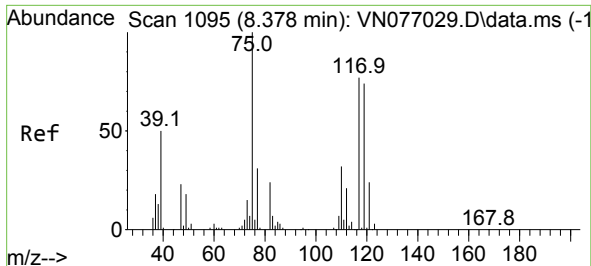
Tgt Ion:114 Resp: 740651
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 16.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 44.891 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

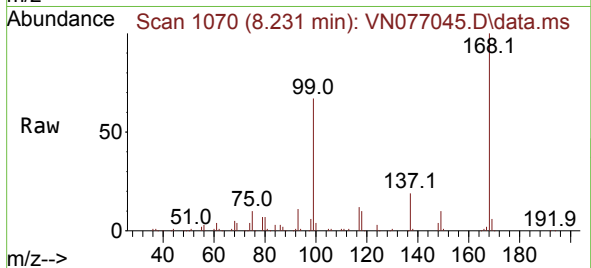
Tgt Ion:113 Resp: 232843
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.2
192 16.5 13.0 19.6



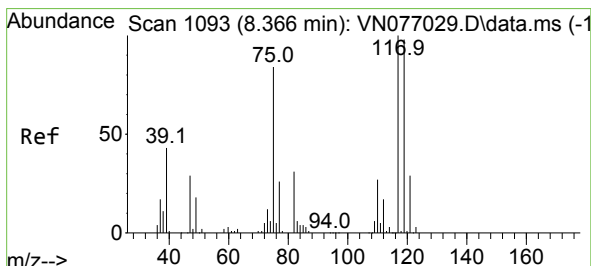
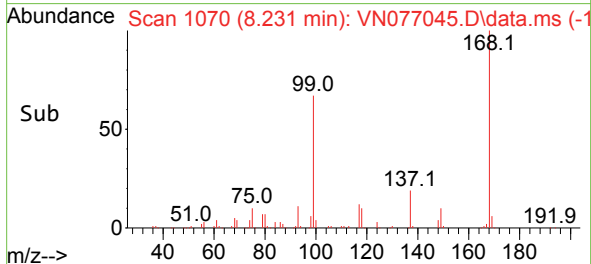
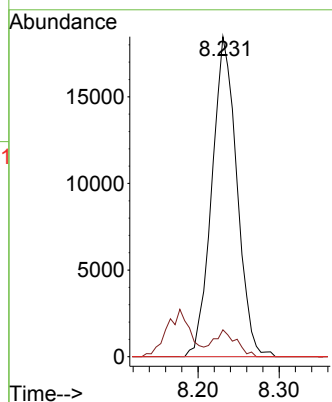


#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

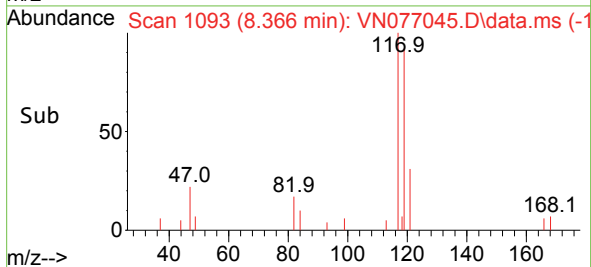
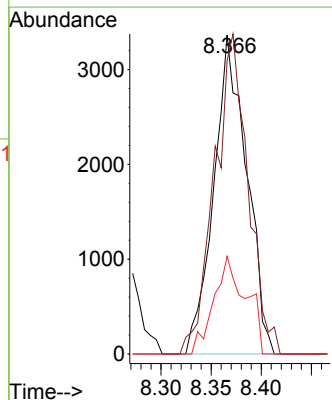
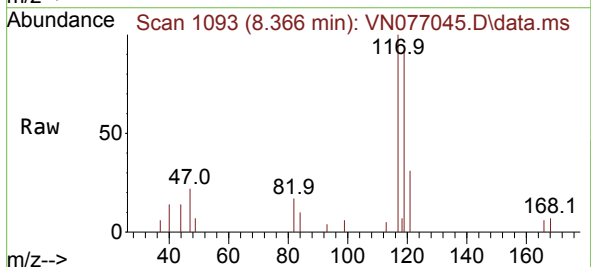


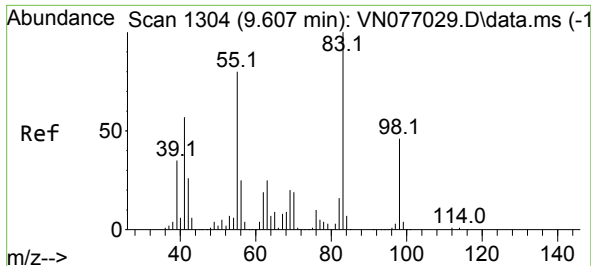
Tgt Ion: 75 Resp: 39554
Ion Ratio Lower Upper
75 100
110 7.5 15.9 47.7#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.968 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. 0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 117 Resp: 7642
Ion Ratio Lower Upper
117 100
119 91.9 78.2 117.2
121 30.6 23.2 34.8

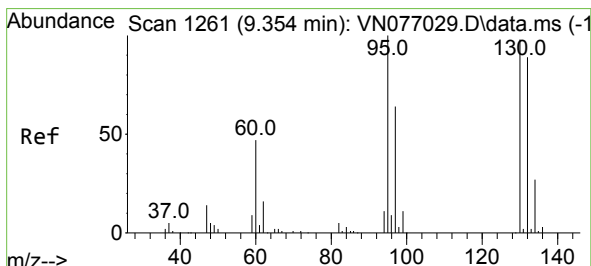
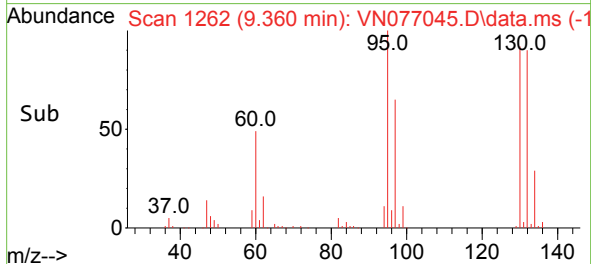
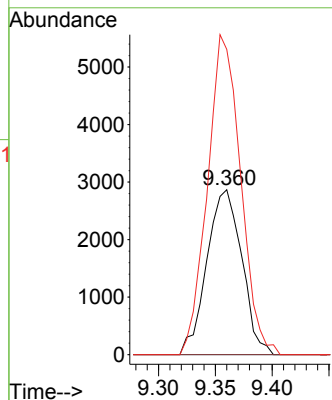
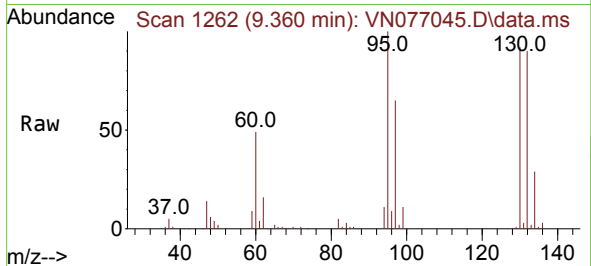




#39
Methylcyclohexane
Concen: 0.647 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

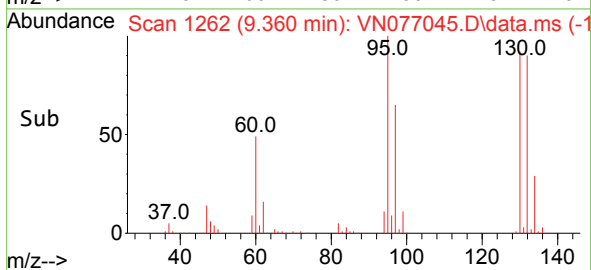
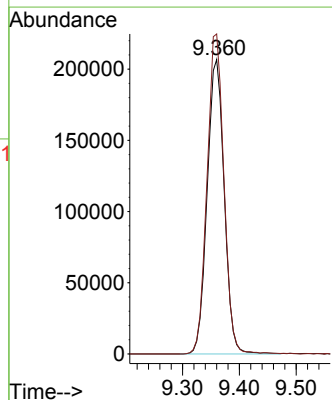
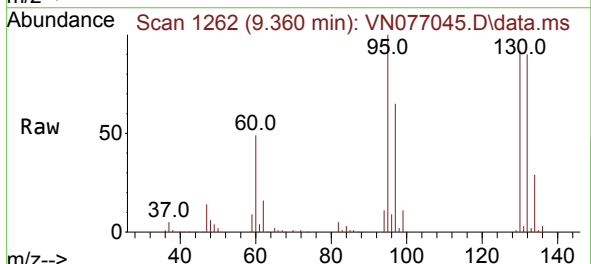
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

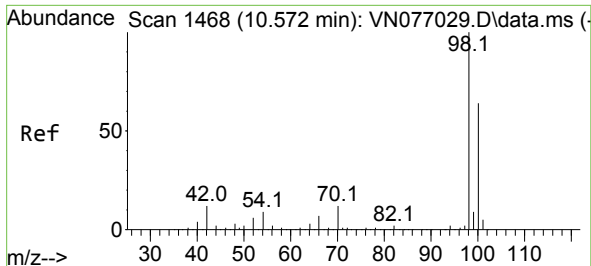
Tgt Ion: 83 Resp: 6135
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 185.1 37.1 55.7#



#44
Trichloroethene
Concen: 76.091 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion:130 Resp: 429427
Ion Ratio Lower Upper
130 100
95 108.7 0.0 204.4

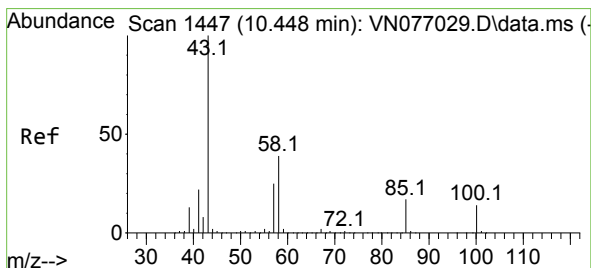
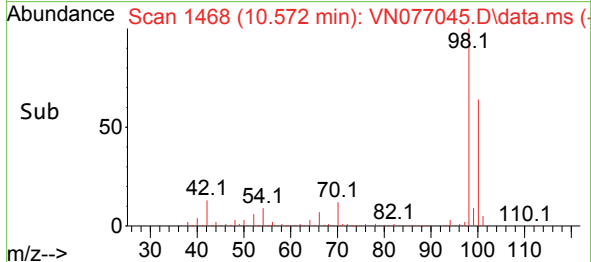
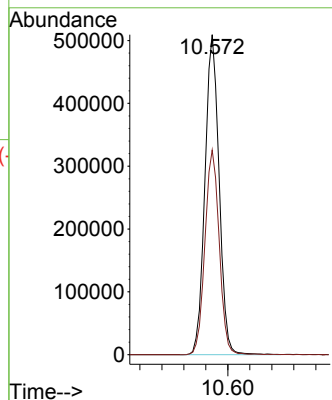
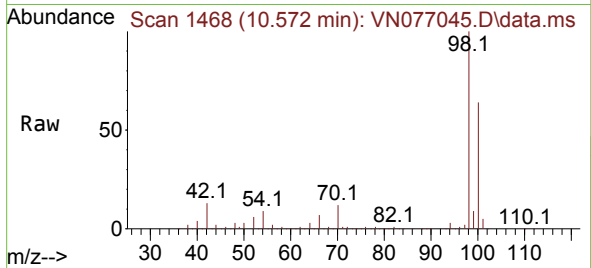




#50
Toluene-d8
Concen: 49.152 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

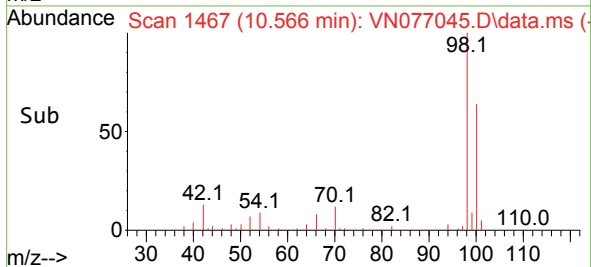
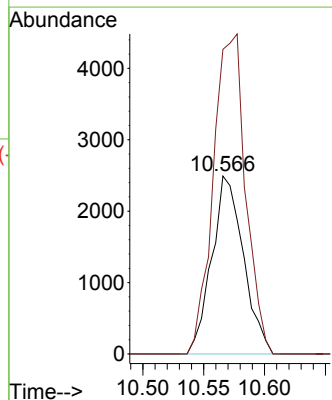
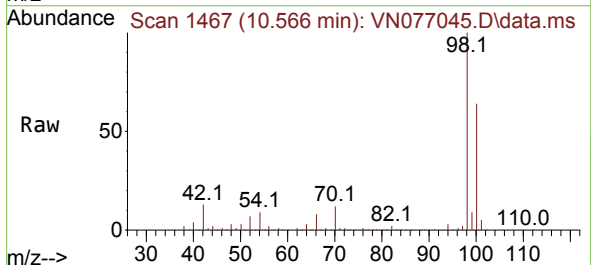
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

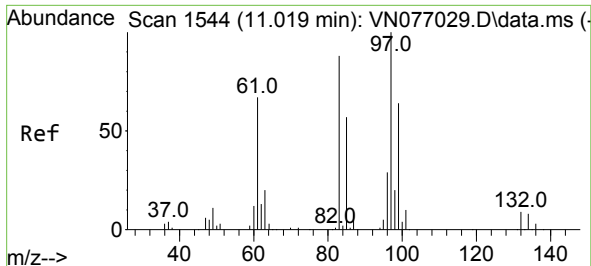
Tgt Ion: 98 Resp: 910696
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. 0.118 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
58 183.7 31.1 46.7#

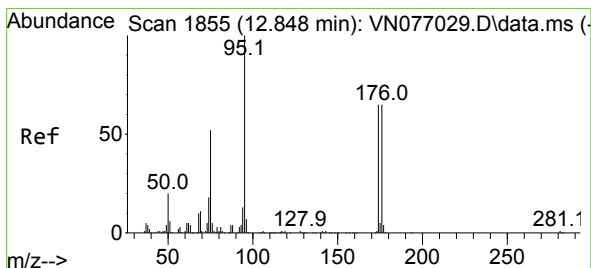
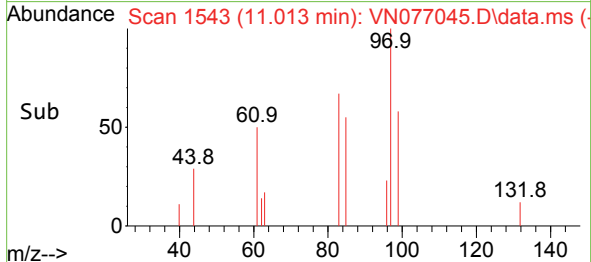
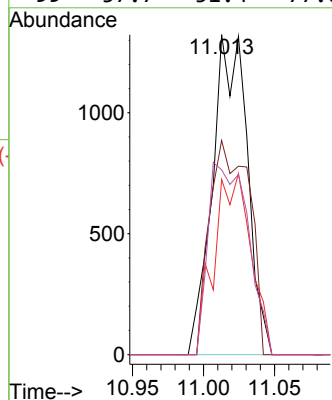
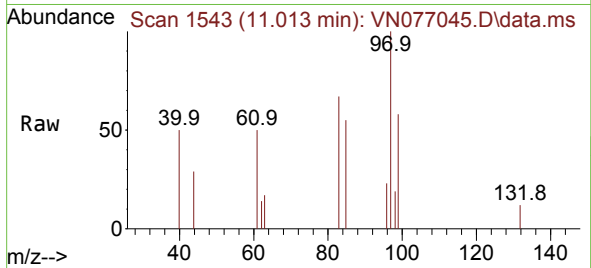




#55
1,1,2-Trichloroethane
Concen: 0.391 ug/l
RT: 11.013 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

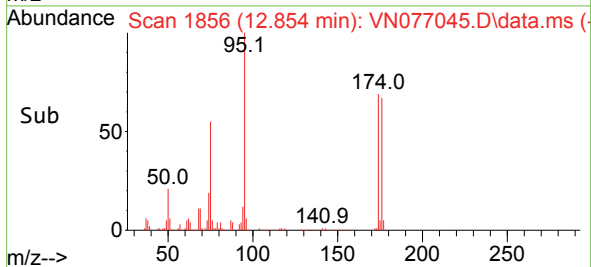
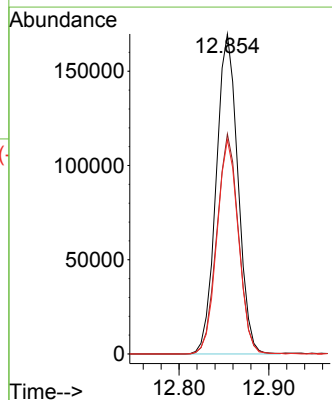
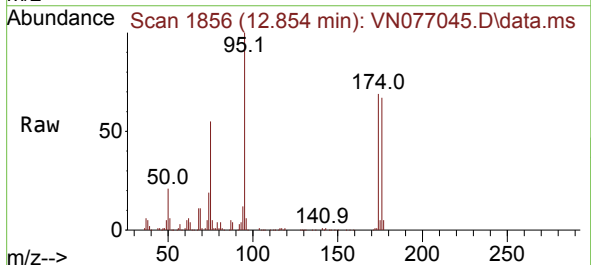
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

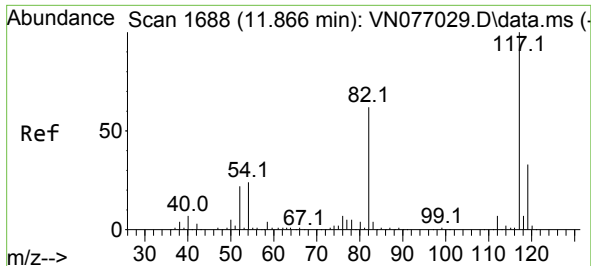
Tgt Ion: 97	Resp: 2259
Ion Ratio	Lower Upper
97 100	
83 67.0	70.5 105.7#
85 54.7	45.4 68.2
99 57.7	51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.624 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 95	Resp: 285615
Ion Ratio	Lower Upper
95 100	
174 68.2	0.0 136.6
176 66.2	0.0 130.0

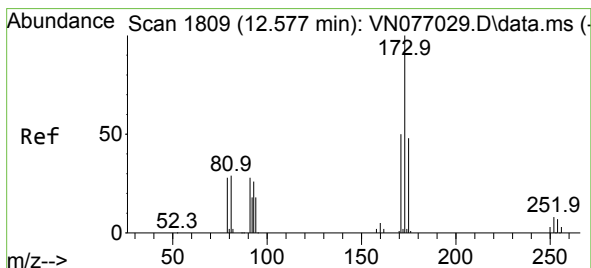
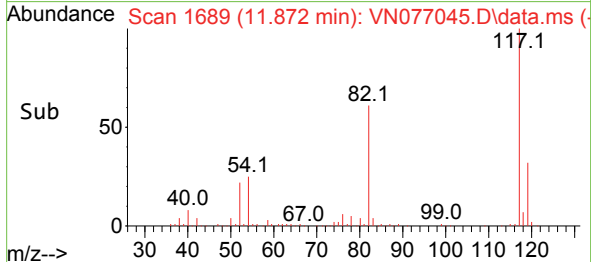
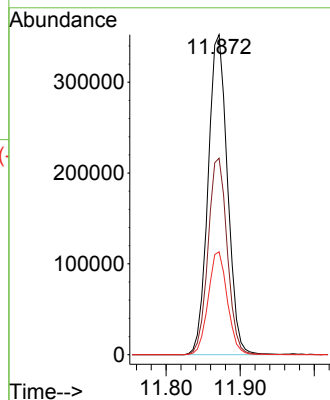
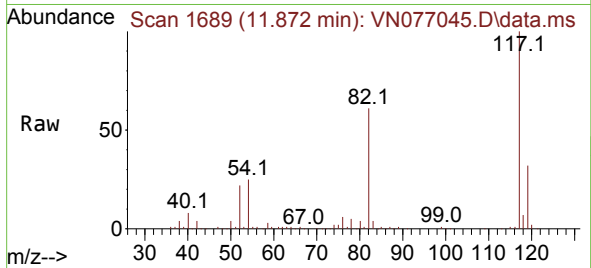




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

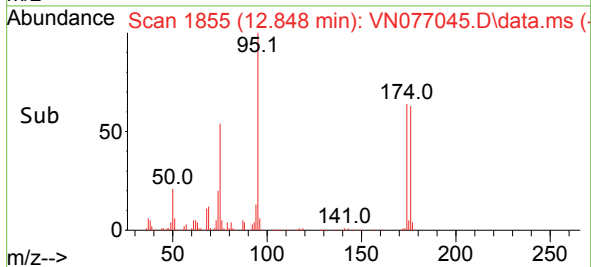
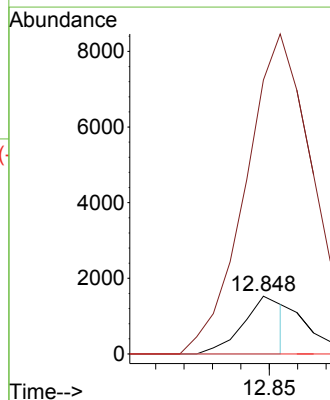
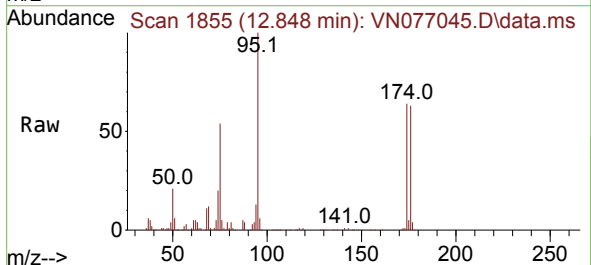
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

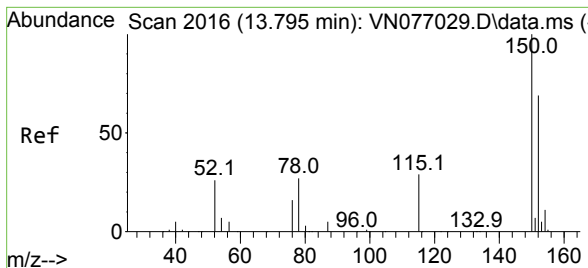
Tgt Ion:117 Resp: 640257
Ion Ratio Lower Upper
117 100
82 61.4 49.4 74.0
119 32.1 26.5 39.7



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion:173 Resp: 1513
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: VN077045.D

Acq: 17 Mar 2023 20:12

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20230313

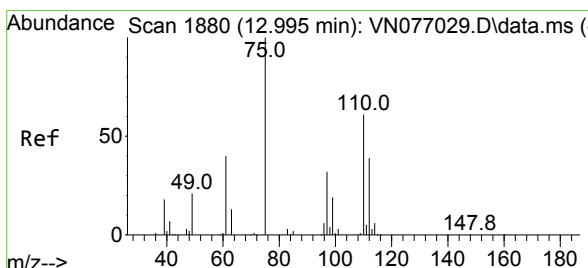
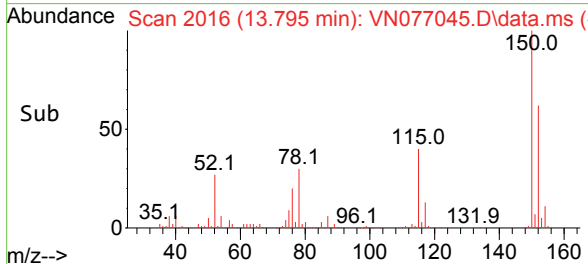
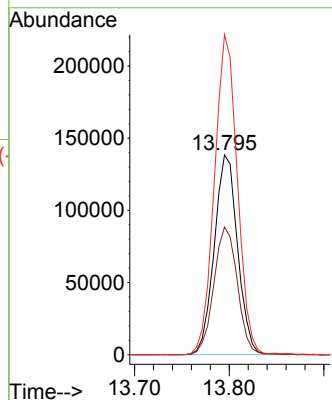
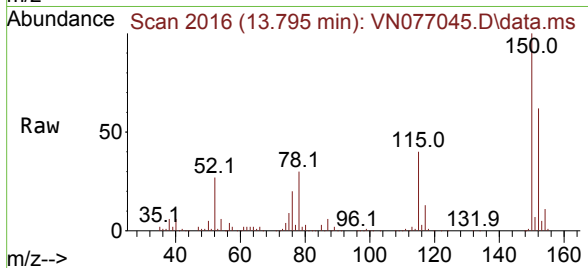
Tgt Ion:152 Resp: 236549

Ion Ratio Lower Upper

152 100

115 64.6 31.9 95.7

150 158.0 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 25.186 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077045.D

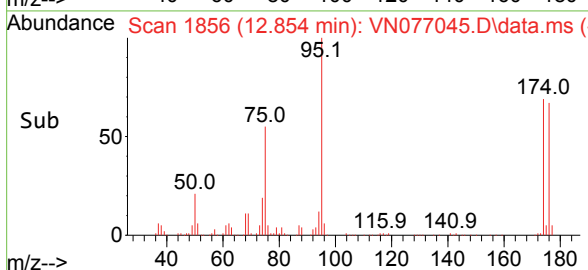
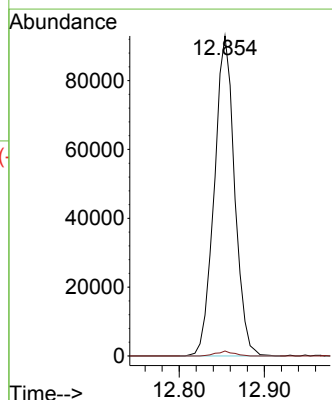
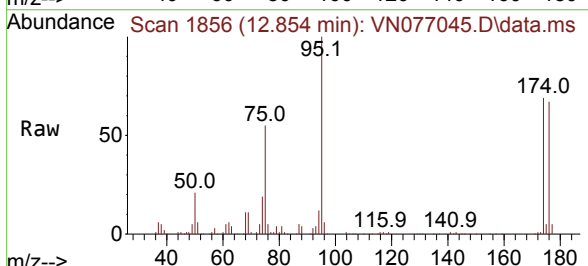
Acq: 17 Mar 2023 20:12

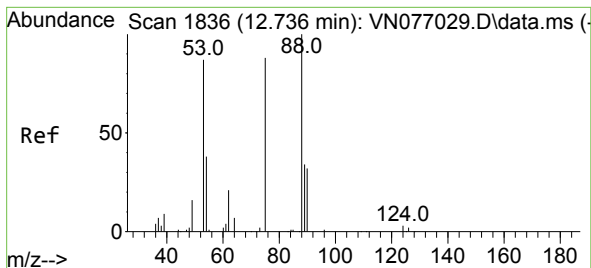
Tgt Ion: 75 Resp: 154103

Ion Ratio Lower Upper

75 100

77 1.3 107.3 322.0#

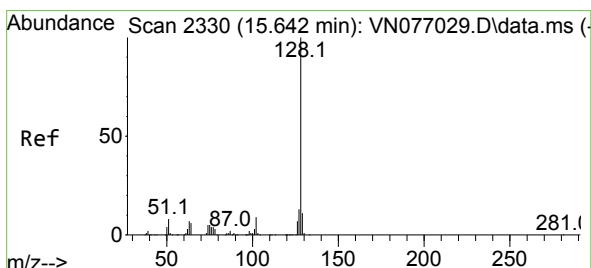
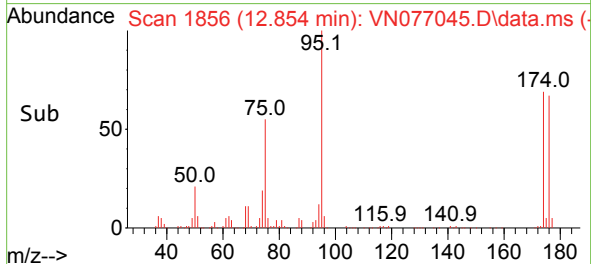
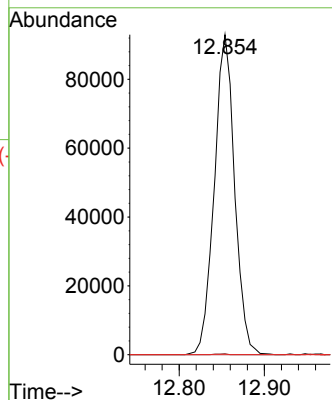
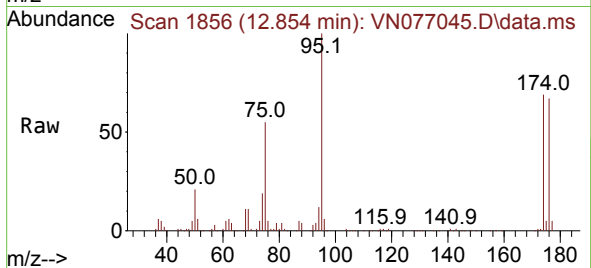




#81
trans-1,4-Dichloro-2-butene
Concen: 69.325 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230313

Tgt Ion: 75 Resp: 154103
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.974 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077045.D
Acq: 17 Mar 2023 20:12

Tgt Ion: 128 Resp: 1018
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

