

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075554.D
 Acq On : 05 Dec 2022 13:10
 Operator : JC\MD
 Sample : VN1205WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

Quant Time: Dec 06 03:24:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

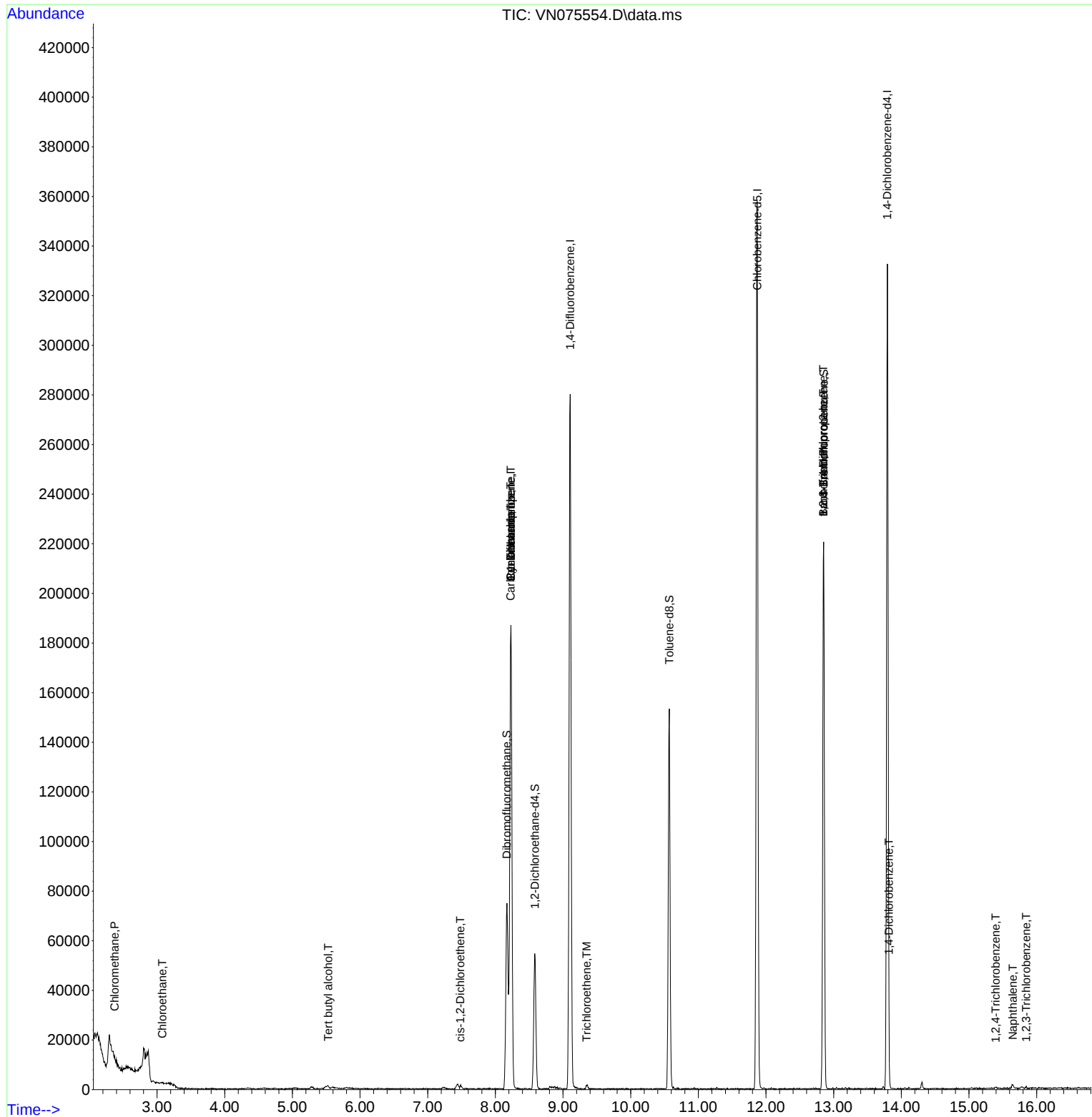
Internal Standards						
1) Pentafluorobenzene	8.229	168	147034	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	258747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	225308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	44986	56.998	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.000%
35) Dibromofluoromethane	8.171	113	53921	53.049	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.100%
50) Toluene-d8	10.570	98	108563	47.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.853	95	74930	44.344	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.680%
Target Compounds						
						Qvalue
3) Chloromethane	2.371	50	477	0.341	ug/l	# 42
6) Chloroethane	3.077	64	430	0.322	ug/l	# 45
11) Tert butyl alcohol	5.530	59	361	1.090	ug/l	# 72
18) Methyl Acetate	5.024	43	338	Below Cal	#	47
20) Methylene Chloride	5.282	84	432	Below Cal	#	48
27) cis-1,2-Dichloroethene	7.482	96	807	0.460	ug/l	73
31) Cyclohexane	8.229	56	3003	1.198	ug/l	# 35
36) 1,1-Dichloropropene	8.229	75	10454	4.716	ug/l	# 50
38) Carbon Tetrachloride	8.223	117	14621	6.005	ug/l	# 18
44) Trichloroethene	9.347	130	378	0.204	ug/l	71
71) Bromoform	12.847	173	532	0.403	ug/l	# 28
76) 1,2,3-Trichloropropane	12.847	75	40497	23.061	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	40497	68.231	ug/l	# 10
88) 1,4-Dichlorobenzene	13.817	146	721	0.224	ug/l	# 32
93) 1,2,4-Trichlorobenzene	15.394	180	399	0.252	ug/l	# 81
95) Naphthalene	15.647	128	2591	0.519	ug/l	# 83
96) 1,2,3-Trichlorobenzene	15.847	180	354	0.227	ug/l	# 72

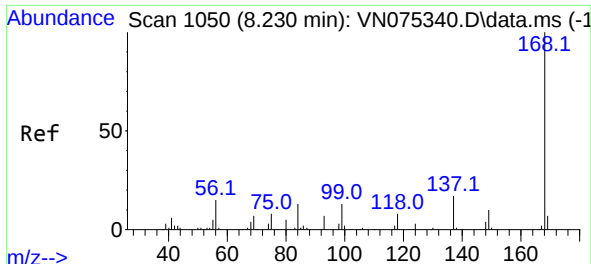
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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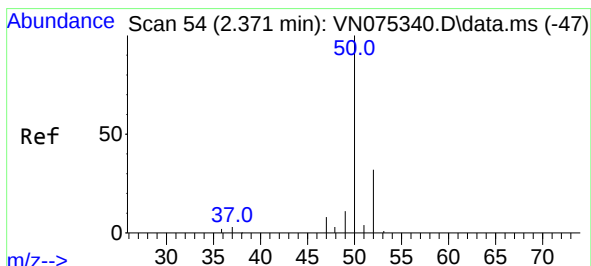
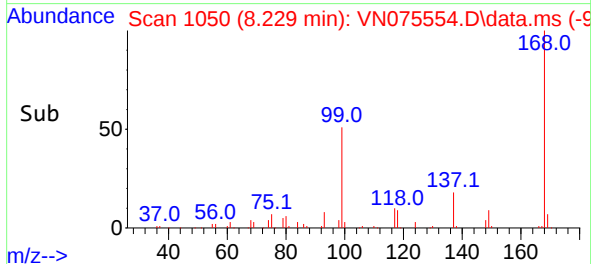
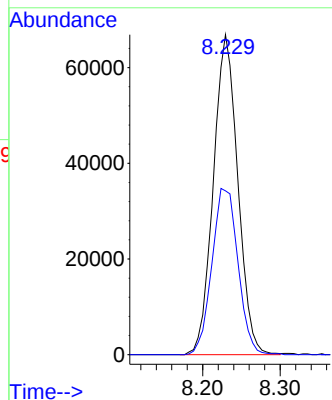
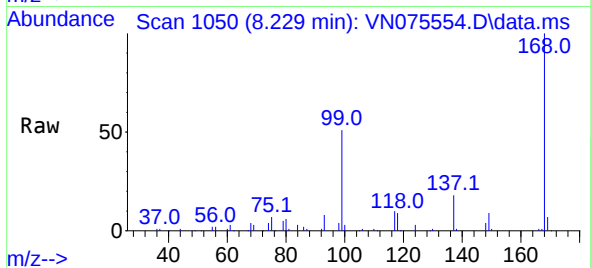




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

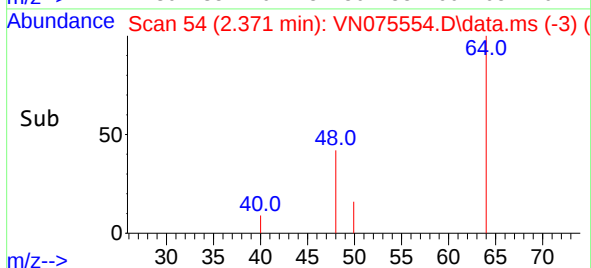
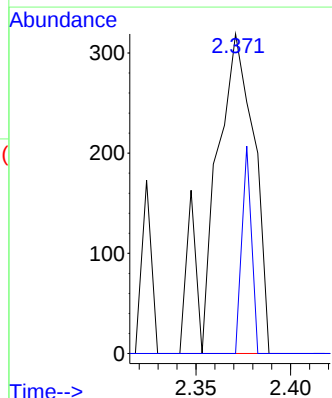
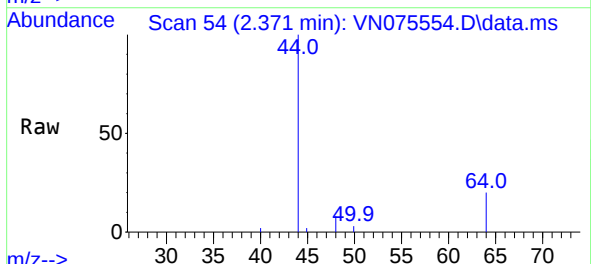
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

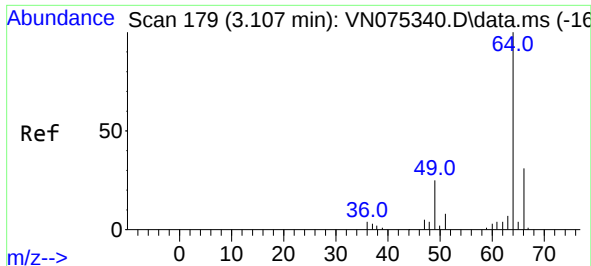
Tgt Ion:168 Resp: 147034
Ion Ratio Lower Upper
168 100
99 51.2 51.6 77.4#



#3
Chloromethane
Concen: 0.341 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

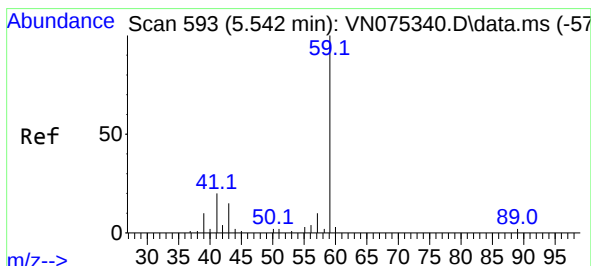
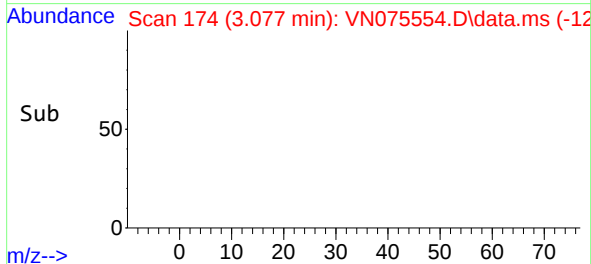
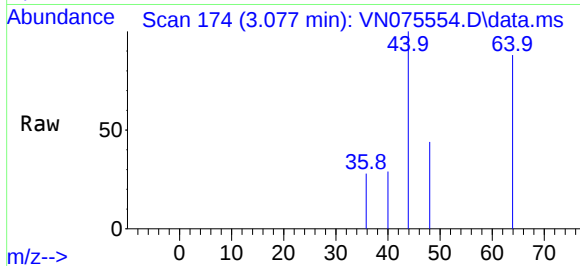




#6
Chloroethane
Concen: 0.322 ug/l
RT: 3.077 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

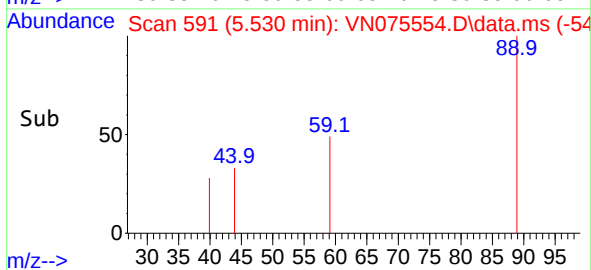
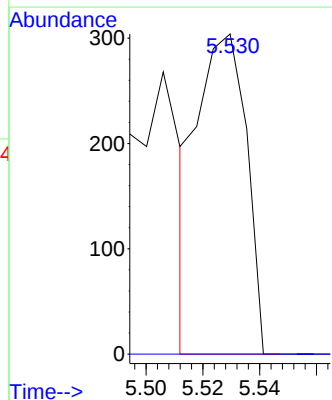
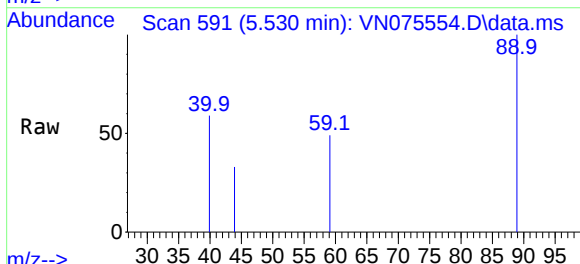
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

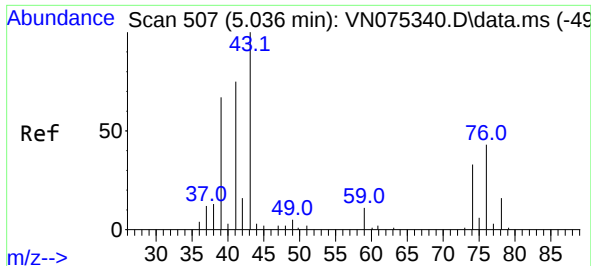
Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.090 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

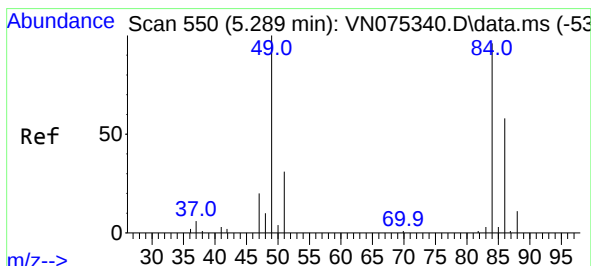
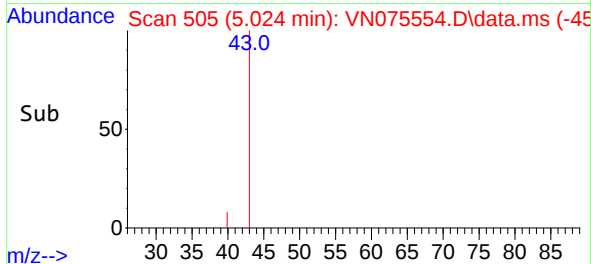
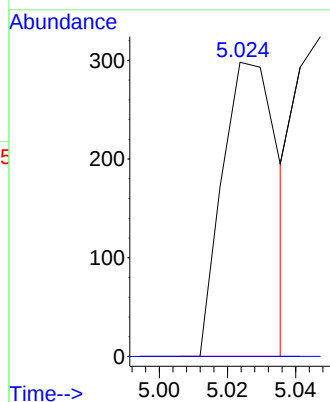
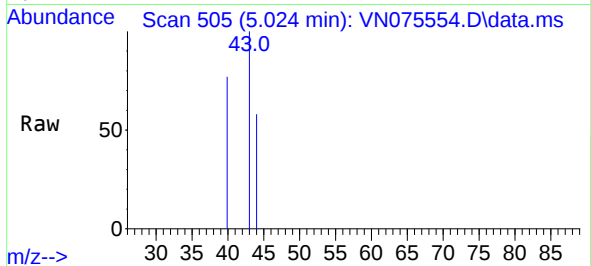




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 50
Delta R.T. -0.012 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

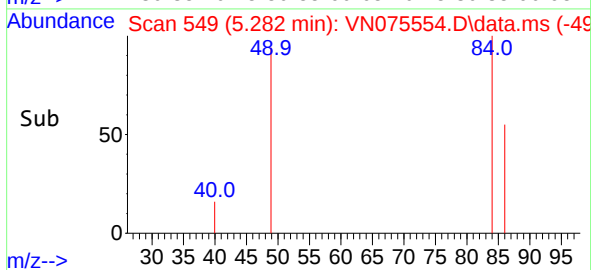
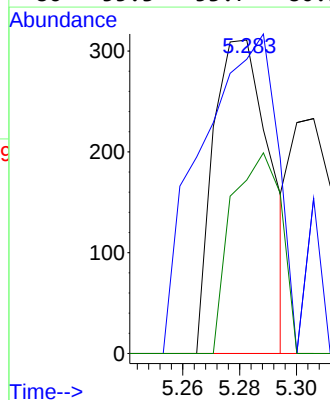
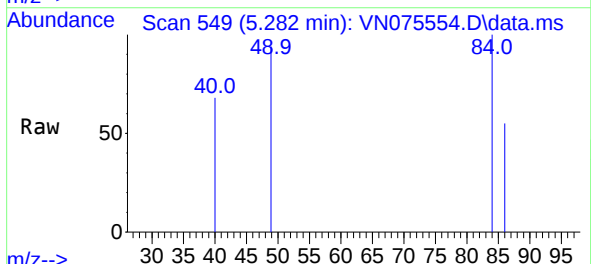
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

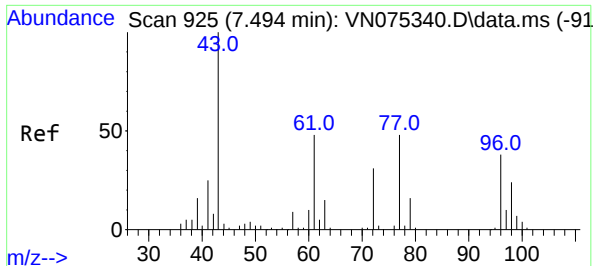
Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.282 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 84 Resp: 432
Ion Ratio Lower Upper
84 100
49 40.5 94.9 142.3#
51 0.0 26.8 40.2#
86 55.3 53.7 80.5



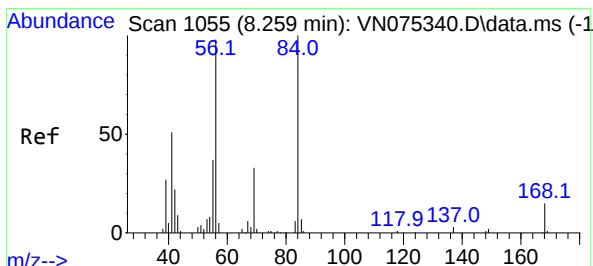
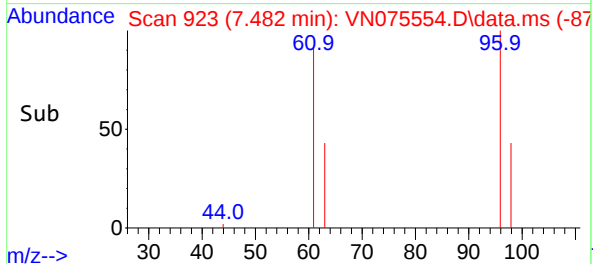
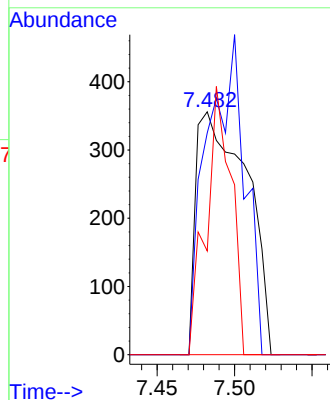
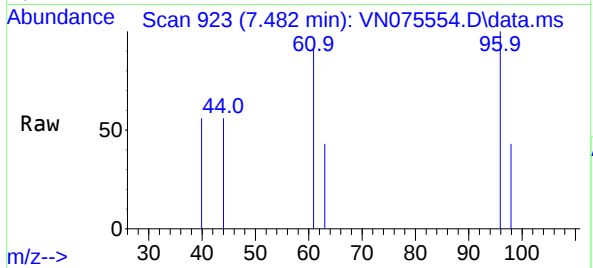


#27
 cis-1,2-Dichloroethene
 Concen: 0.460 ug/l
 RT: 7.482 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VN075554.D
 Acq: 05 Dec 2022 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

Tgt Ion: 96 Resp: 807

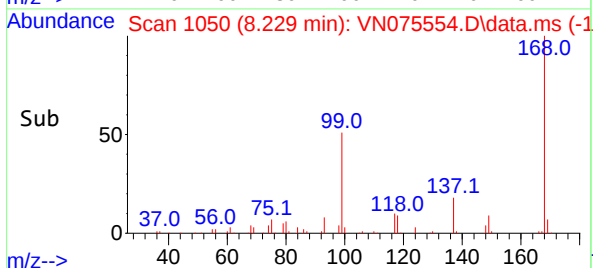
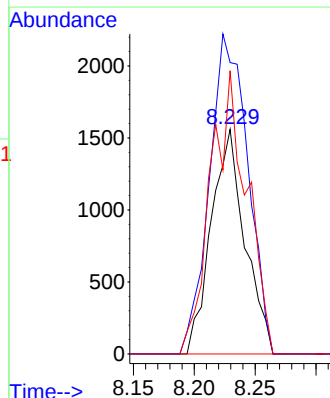
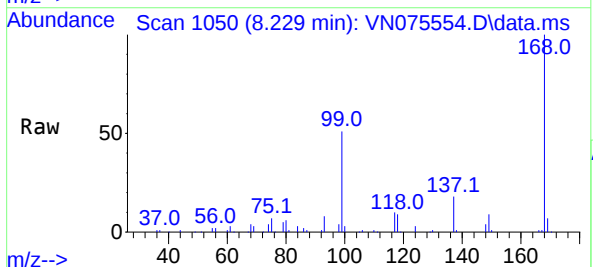
Ion	Ratio	Lower	Upper
96	100		
61	97.3	0.0	278.8
98	55.0	0.0	128.4

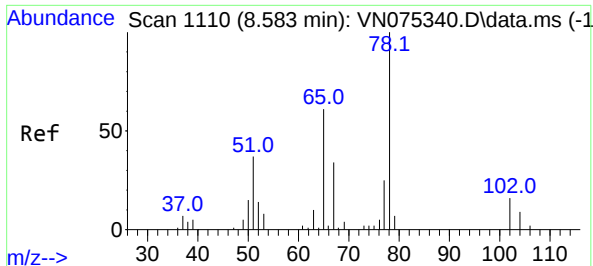


#31
 Cyclohexane
 Concen: 1.198 ug/l
 RT: 8.229 min Scan# 1050
 Delta R.T. -0.030 min
 Lab File: VN075554.D
 Acq: 05 Dec 2022 13:10

Tgt Ion: 56 Resp: 3003

Ion	Ratio	Lower	Upper
56	100		
69	129.7	25.2	37.8#
84	126.1	77.8	116.8#

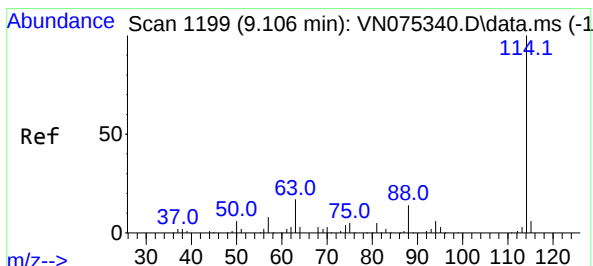
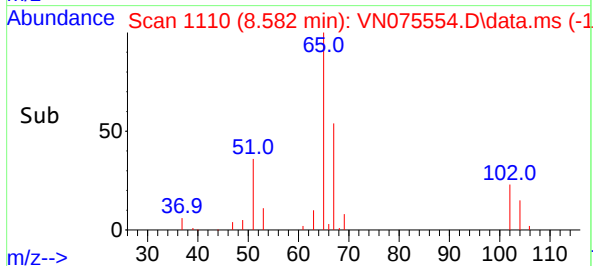
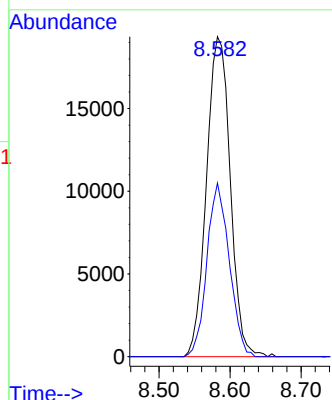
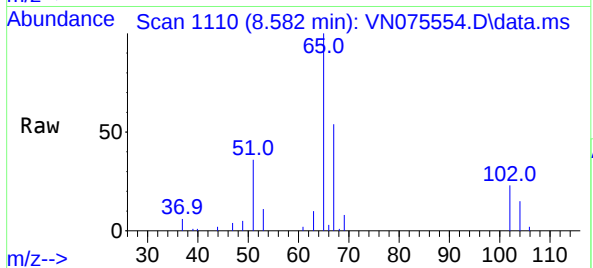




#33
1,2-Dichloroethane-d4
Concen: 56.998 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

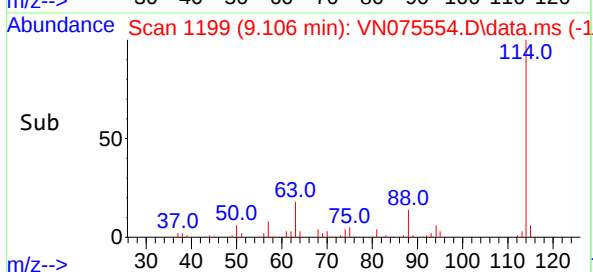
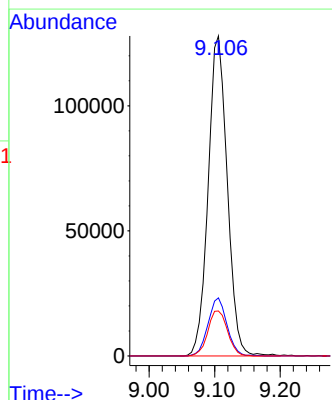
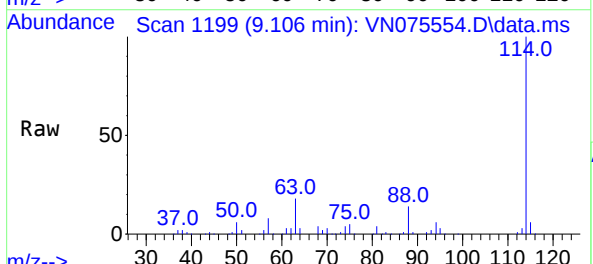
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

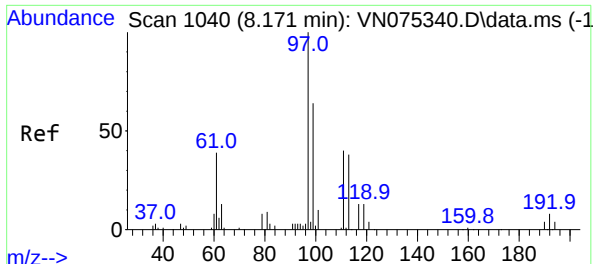
Tgt Ion: 65 Resp: 44986
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 114 Resp: 258747
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.6
88 14.1 0.0 29.0

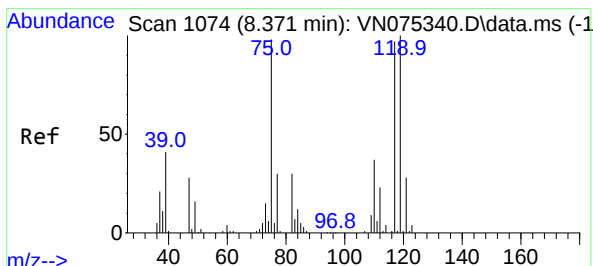
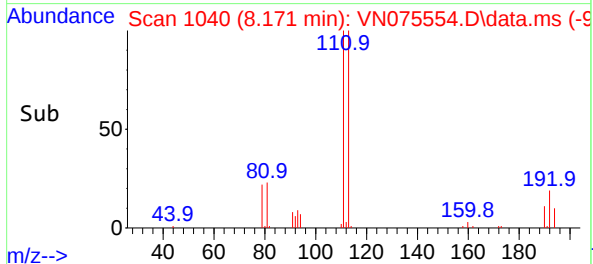
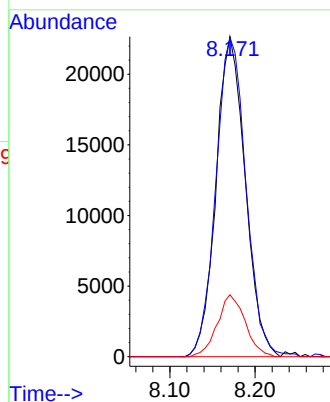
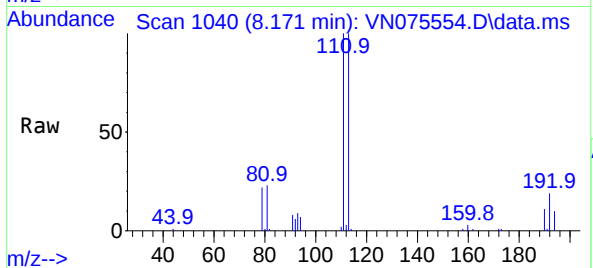




#35
Dibromofluoromethane
Concen: 53.049 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

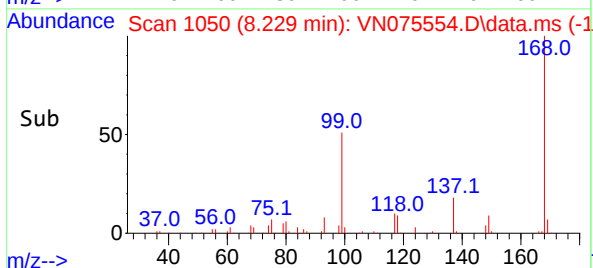
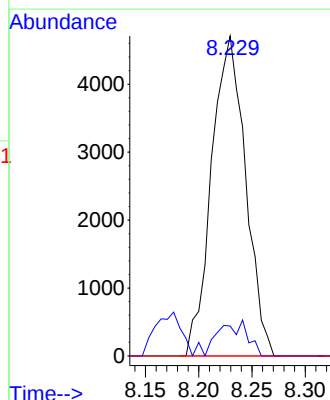
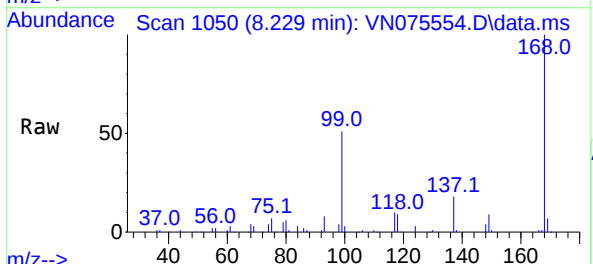
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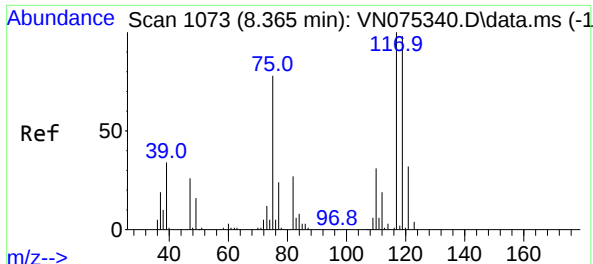
Tgt Ion:113 Resp: 53921
Ion Ratio Lower Upper
113 100
111 102.8 80.5 120.7
192 18.6 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

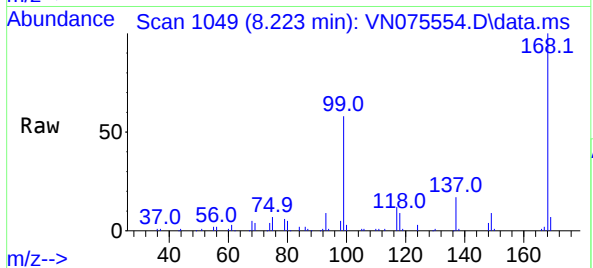
Tgt Ion: 75 Resp: 10454
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 24.6 37.0#



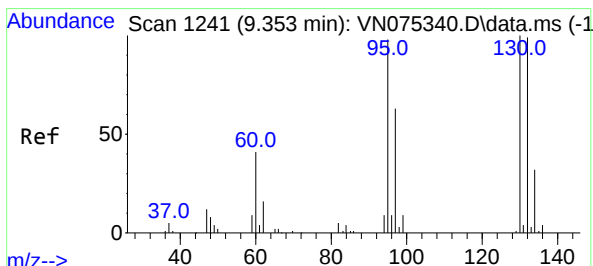
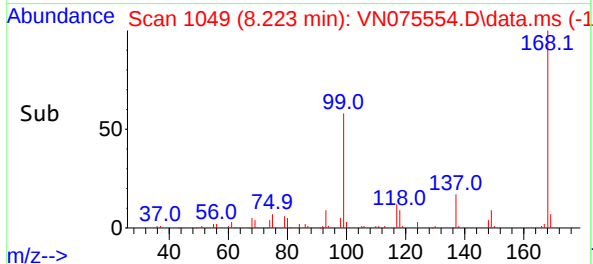
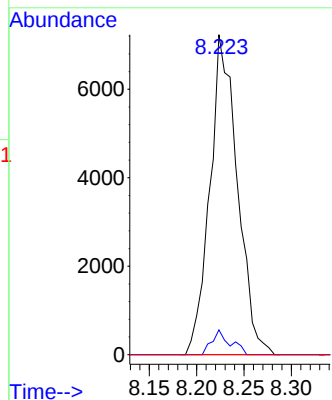


#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 8.223 min Scan# 1049
Delta R.T. -0.142 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

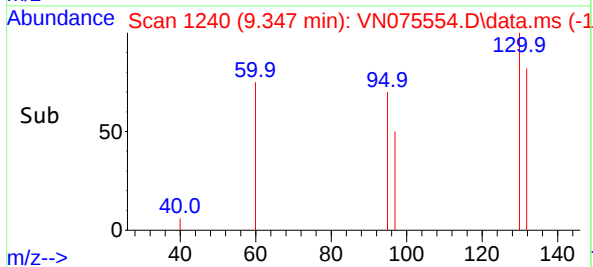
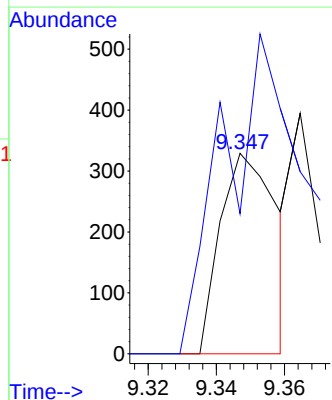
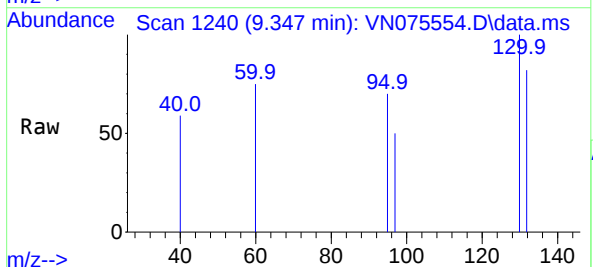


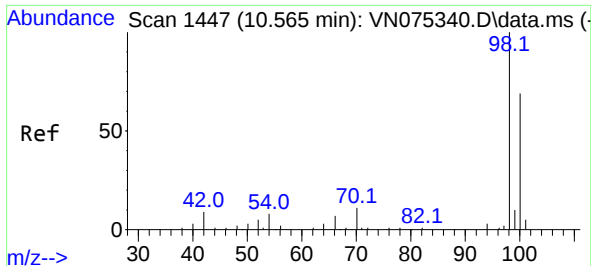
Tgt Ion:117 Resp: 14621
Ion Ratio Lower Upper
117 100
119 7.7 76.7 115.1#
121 0.0 23.9 35.9#



#44
Trichloroethene
Concen: 0.204 ug/l
RT: 9.347 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion:130 Resp: 378
Ion Ratio Lower Upper
130 100
95 69.9 0.0 198.4

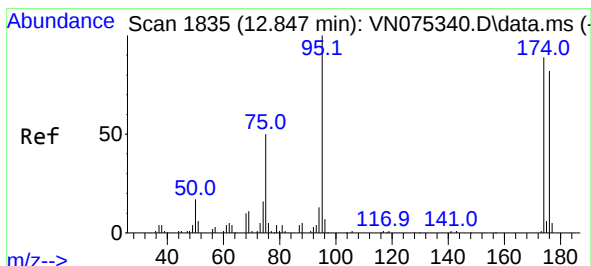
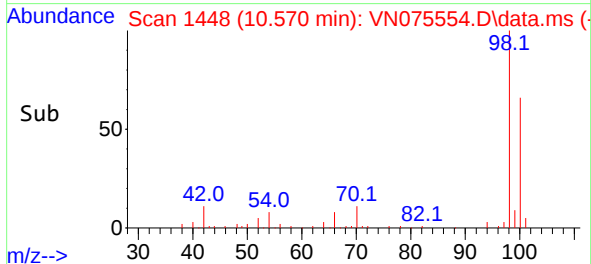
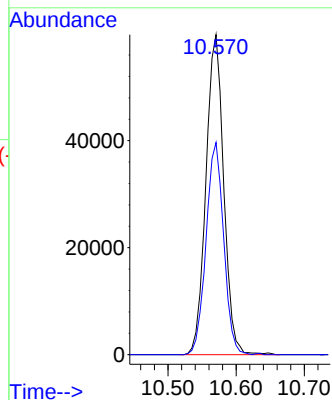
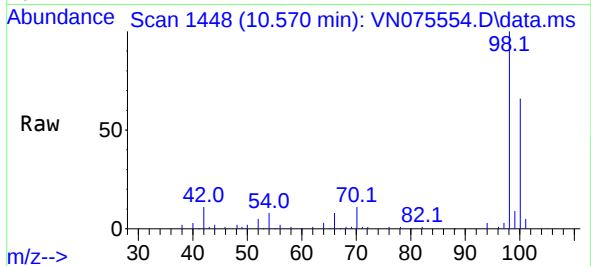




#50
Toluene-d8
Concen: 47.422 ug/l
RT: 10.570 min Scan# 1447
Delta R.T. 0.005 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

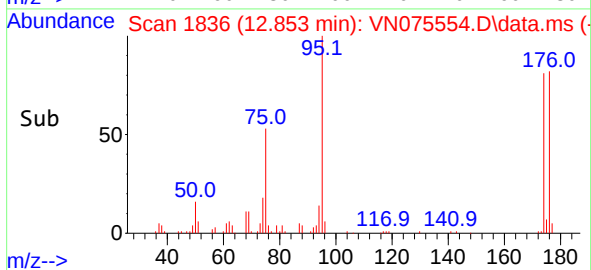
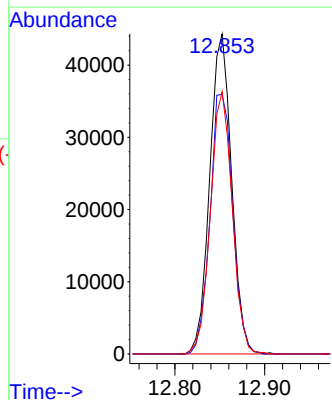
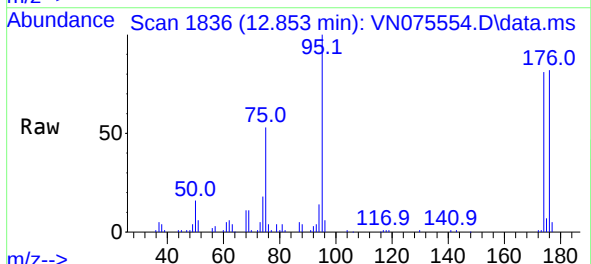
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

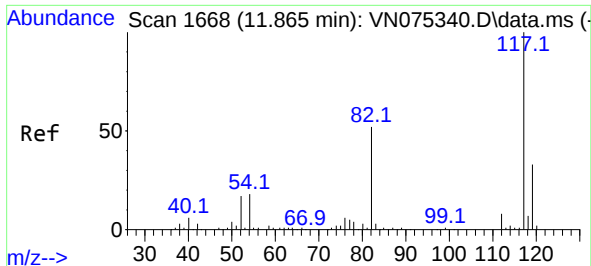
Tgt Ion: 98 Resp: 108563
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 44.344 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 95 Resp: 74930
Ion Ratio Lower Upper
95 100
174 84.3 0.0 147.4
176 81.6 0.0 142.2

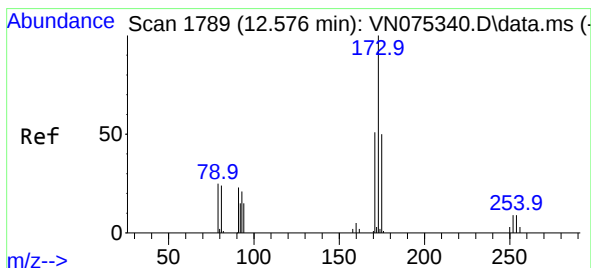
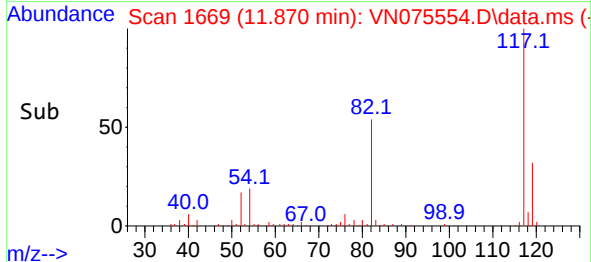
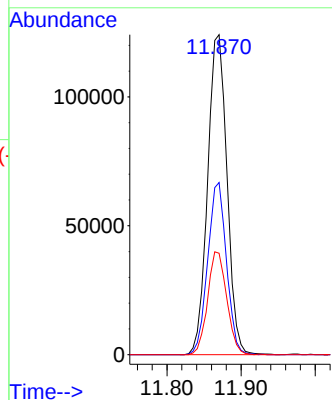
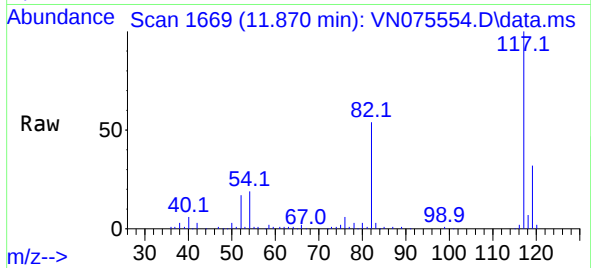




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

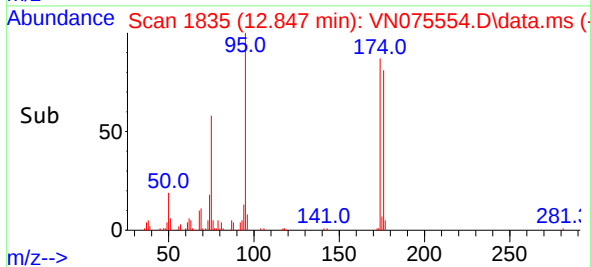
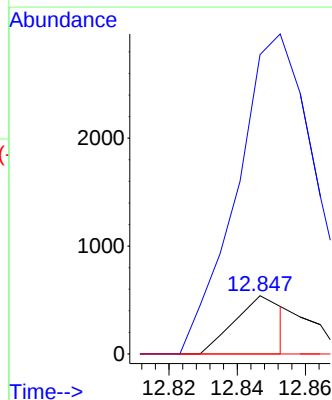
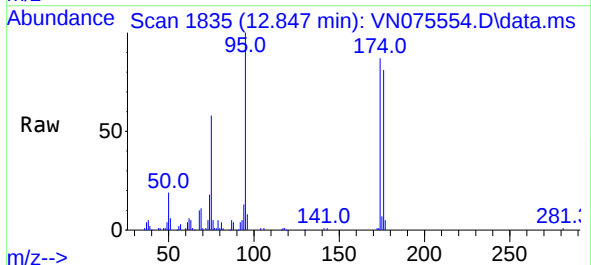
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

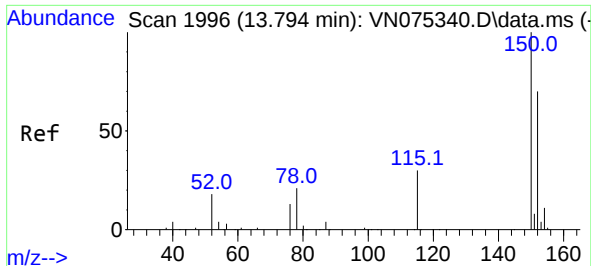
Tgt Ion:117 Resp: 225308
Ion Ratio Lower Upper
117 100
82 53.8 43.1 64.7
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.403 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion:173 Resp: 532
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

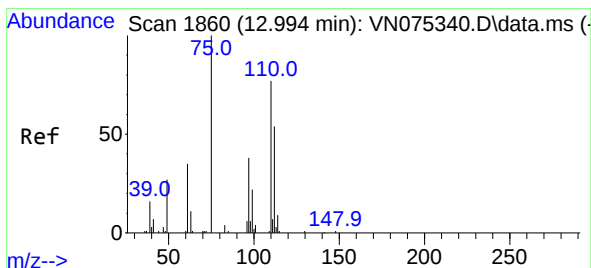
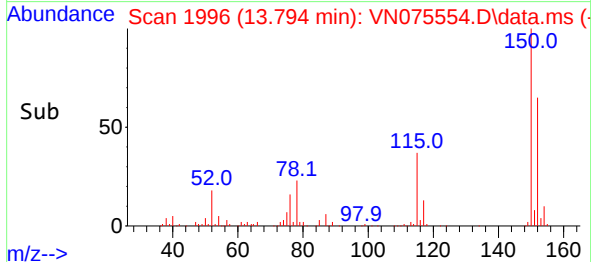
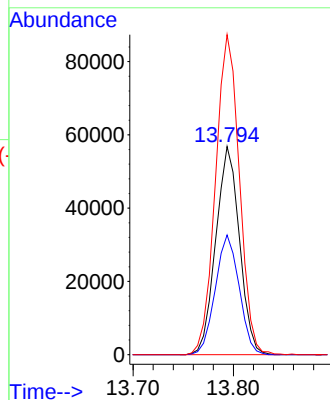
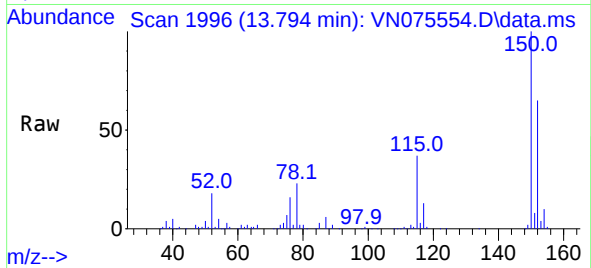




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

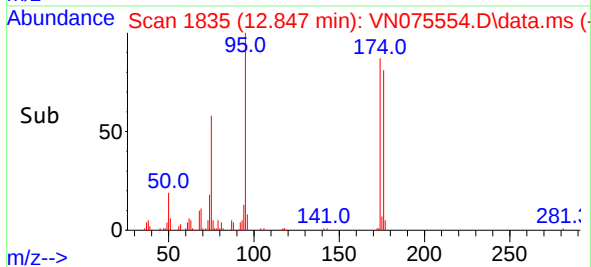
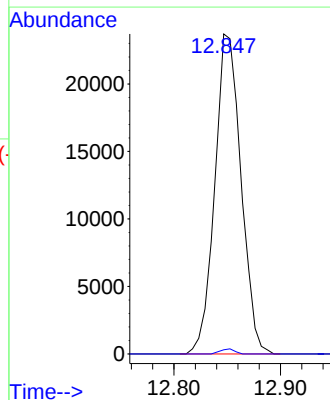
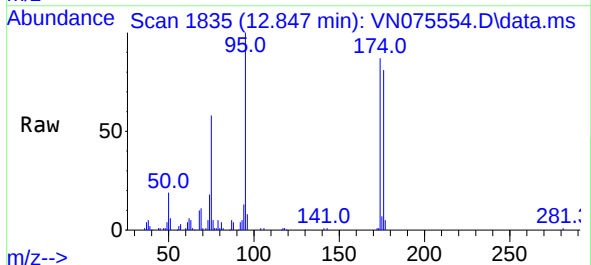
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

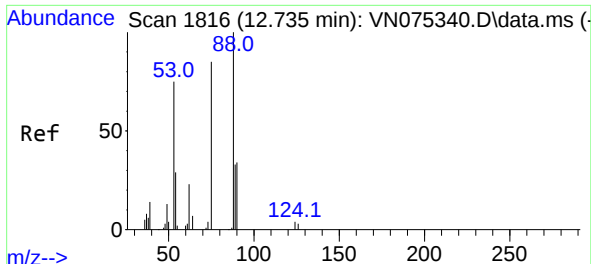
Tgt Ion:152 Resp: 92880
Ion Ratio Lower Upper
152 100
115 57.9 30.2 90.6
150 155.4 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 23.061 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion: 75 Resp: 40497
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#

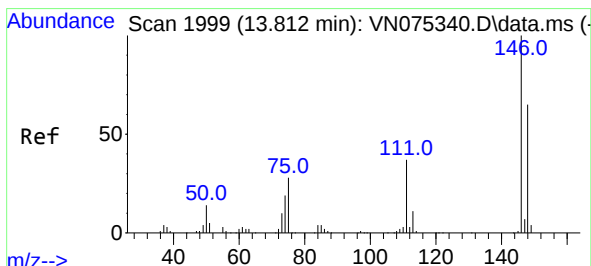
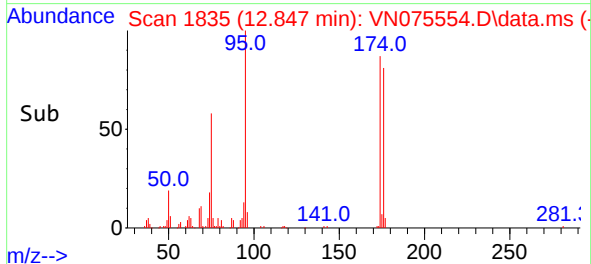
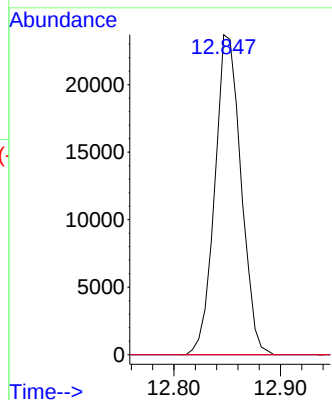
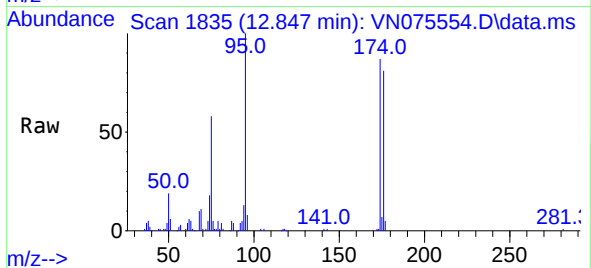




#81
trans-1,4-Dichloro-2-butene
Concen: 68.231 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

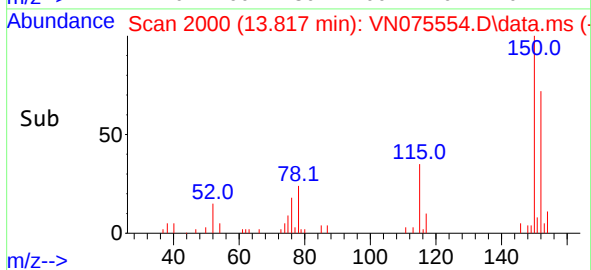
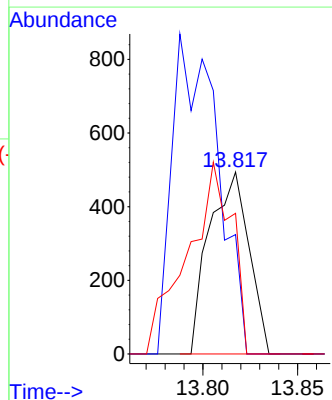
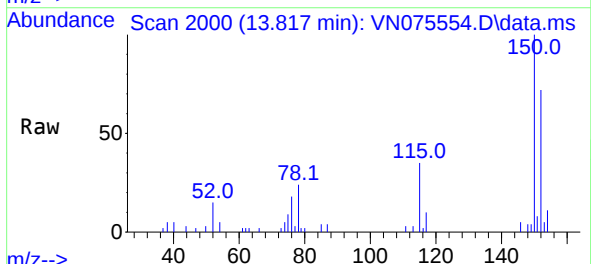
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

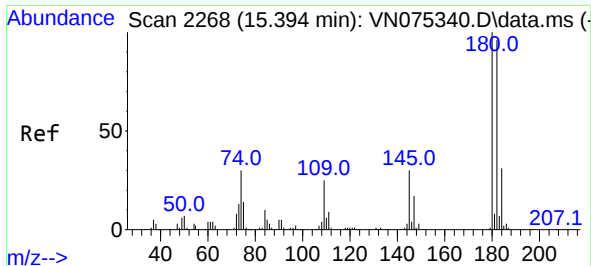
Tgt Ion: 75 Resp: 40497
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#88
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.817 min Scan# 2000
Delta R.T. 0.005 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

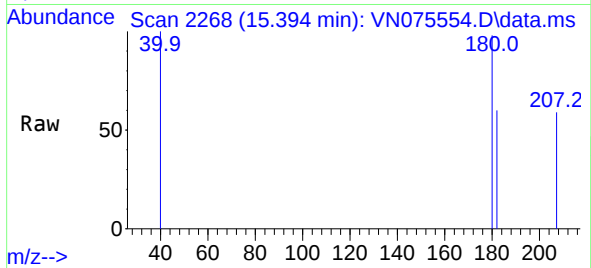
Tgt Ion:146 Resp: 721
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 118.4 31.9 95.7#



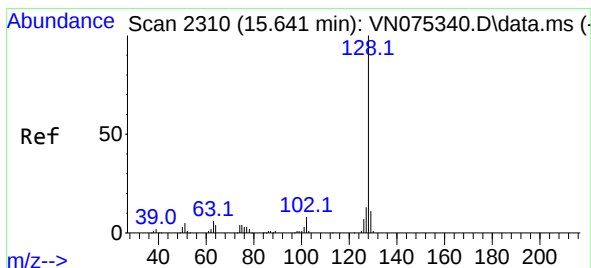
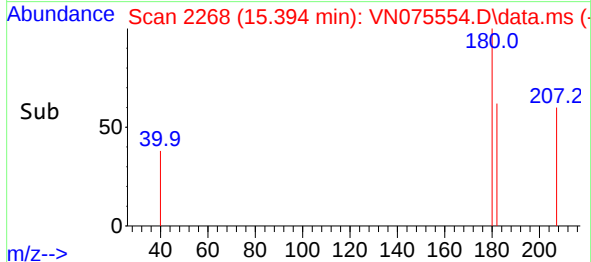
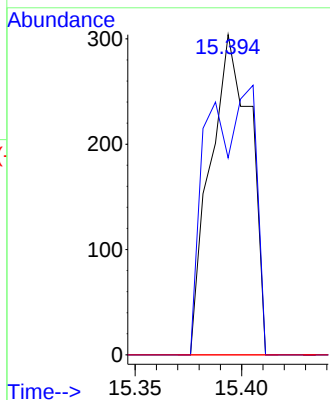


#93
1,2,4-Trichlorobenzene
Concen: 0.252 ug/l
RT: 15.394 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

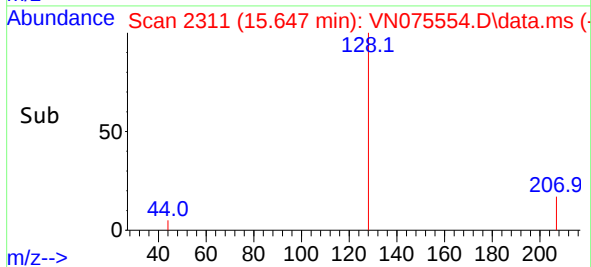
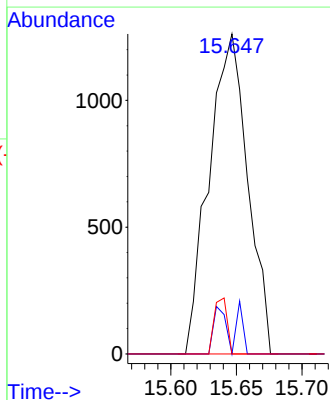
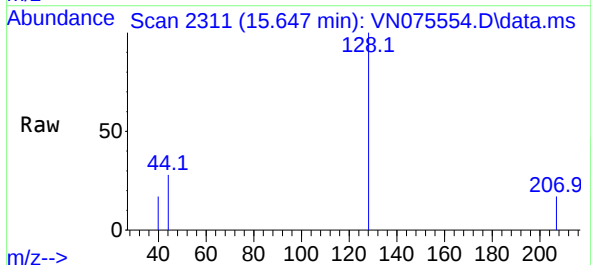


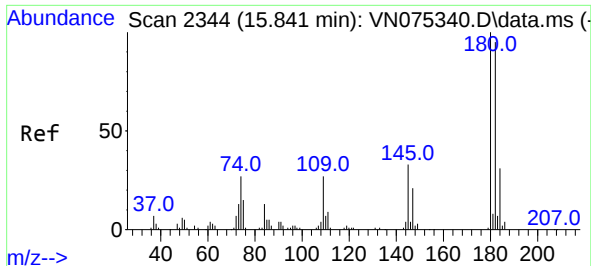
Tgt Ion:180 Resp: 399
Ion Ratio Lower Upper
180 100
182 101.0 47.8 143.4
145 0.0 16.8 50.3#



#95
Naphthalene
Concen: 0.519 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075554.D
Acq: 05 Dec 2022 13:10

Tgt Ion:128 Resp: 2591
Ion Ratio Lower Upper
128 100
127 4.7 10.4 15.6#
129 5.8 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.227 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075554.D

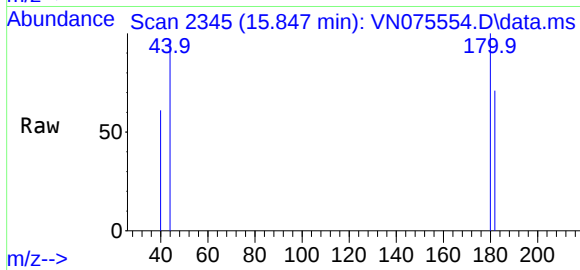
Acq: 05 Dec 2022 13:10

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBL01



Tgt Ion:180 Resp: 354

Ion Ratio Lower Upper

180 100

182 110.5 47.3 141.8

145 0.0 17.6 52.9#

