

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074581.D
 Acq On : 19 Sep 2022 13:12
 Operator : JC\MD
 Sample : N4647-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1034-MW-01(23)DL

Quant Time: Sep 20 04:19:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

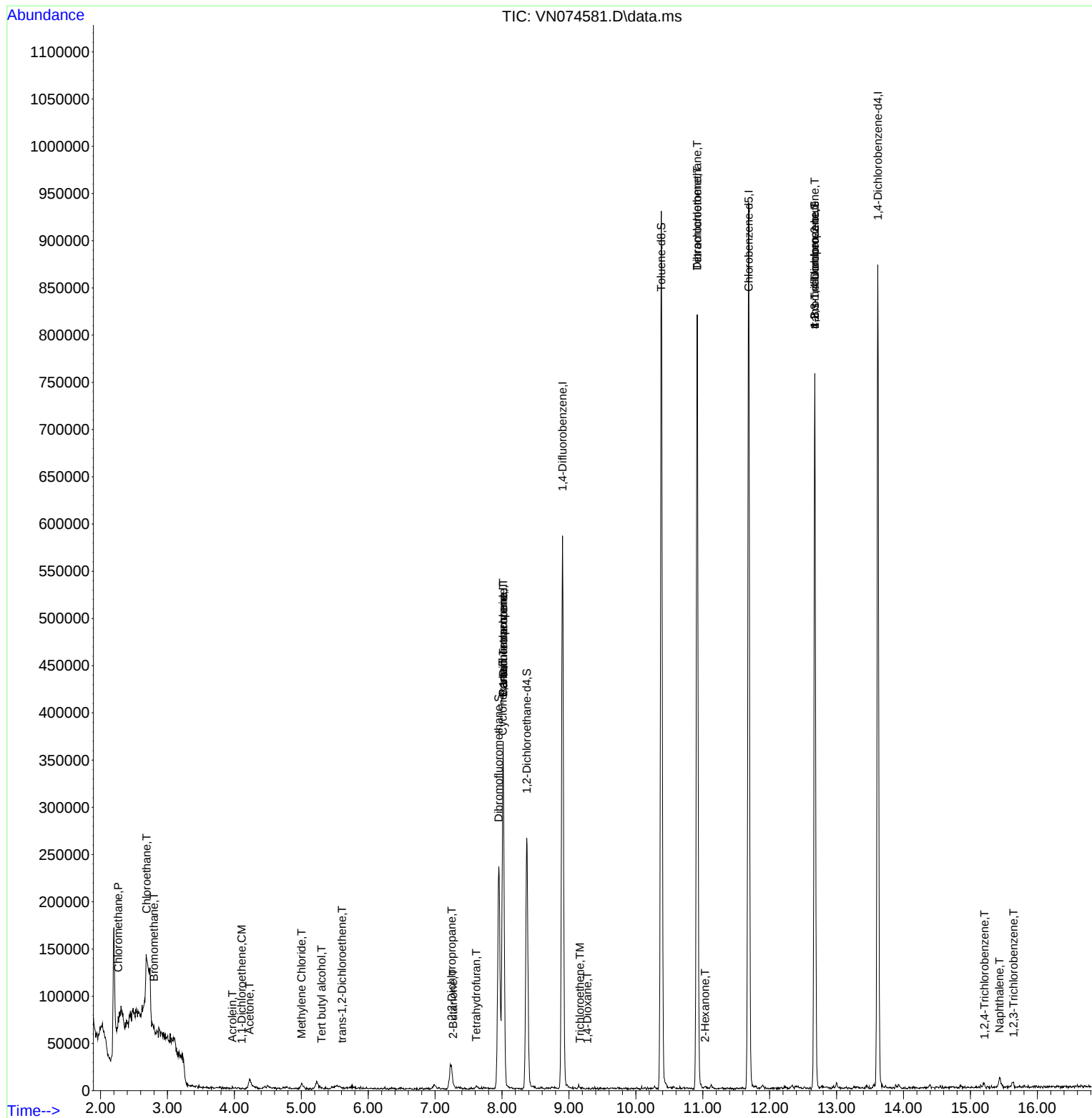
Internal Standards						
1) Pentafluorobenzene	8.016	168	249360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	464064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	474127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	203057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	196848	46.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.060%
35) Dibromofluoromethane	7.951	113	165623	53.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.460%
50) Toluene-d8	10.381	98	587687	49.295	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.675	95	218158	53.428	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	996	0.475	ug/l #	81
5) Bromomethane	2.799	94	1026	0.398	ug/l #	52
6) Chloroethane	2.687	64	24681	7.397	ug/l #	59
11) Tert butyl alcohol	5.304	59	347	0.252	ug/l #	70
12) 1,1-Dichloroethene	4.110	96	162	0.733	ug/l #	1
13) Acrolein	3.969	56	161	0.320	ug/l	99
16) Acetone	4.228	43	15461	5.711	ug/l	96
20) Methylene Chloride	5.004	84	3390	0.850	ug/l #	75
21) trans-1,2-Dichloroethene	5.610	96	74	0.449	ug/l #	1
25) 2-Butanone	7.269	43	1624	0.361	ug/l #	45
26) 2,2-Dichloropropane	7.245	77	1769	0.261	ug/l #	53
28) Bromochloromethane	7.645	49	55	Below Cal	#	8
29) Tetrahydrofuran	7.616	42	1195	0.404	ug/l #	72
31) Cyclohexane	8.010	56	9061	1.207	ug/l #	61
36) 1,1-Dichloropropene	8.016	75	25137	4.607	ug/l #	47
38) Carbon Tetrachloride	8.016	117	26154	5.191	ug/l #	19
44) Trichloroethene	9.163	130	971	0.266	ug/l	36
49) 1,4-Dioxane	9.275	88	56	0.498	ug/l #	1
59) 2-Hexanone	11.033	43	2268	0.345	ug/l	84
60) Dibromochloromethane	10.916	129	150421	37.492	ug/l #	11
64) Tetrachloroethene	10.916	164	161605	49.666	ug/l	95
76) 1,2,3-Trichloropropane	12.675	75	134925	21.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	134925	46.592	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.210	180	1665	0.413	ug/l #	75
95) Naphthalene	15.433	128	11170	2.211	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.645	180	1965	1.794	ug/l	95

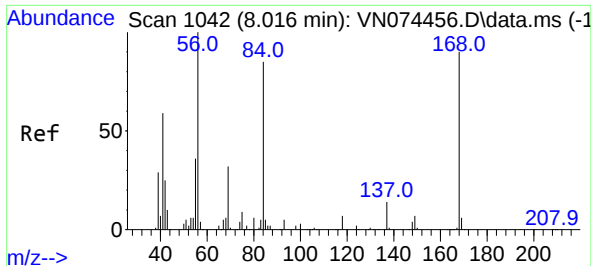
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1034-MW-01(23)DL

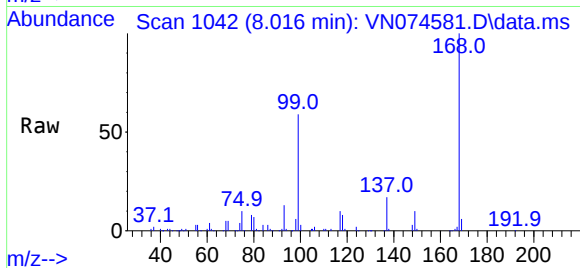
Quant Time: Sep 20 04:19:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
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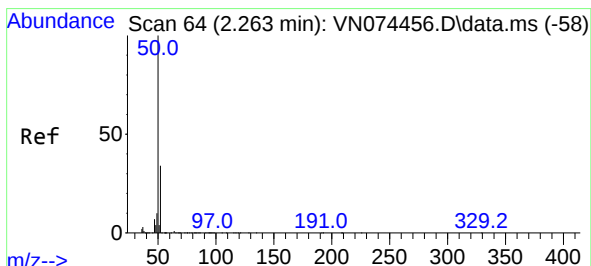
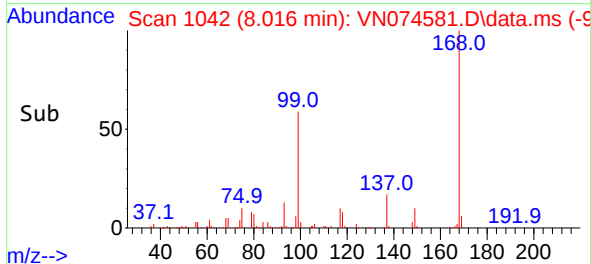
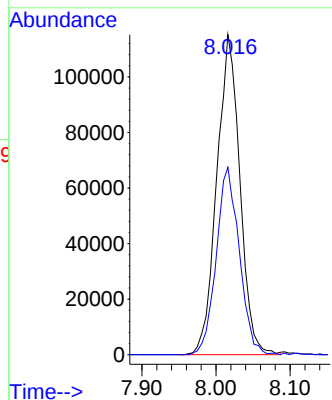


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

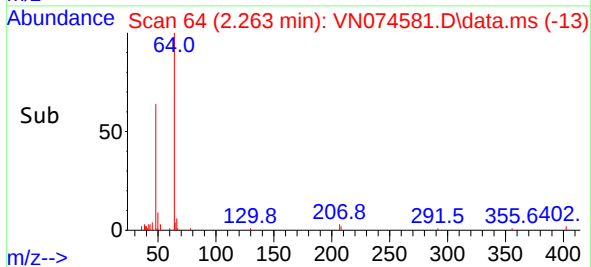
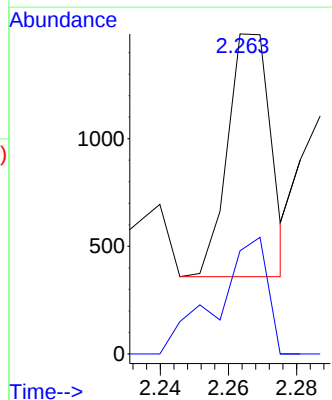
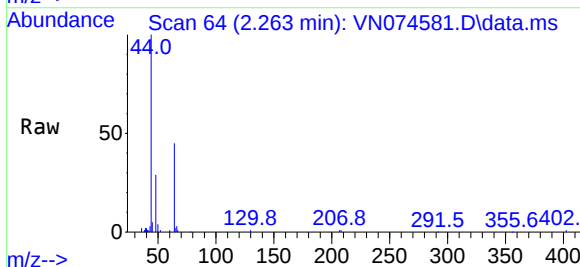


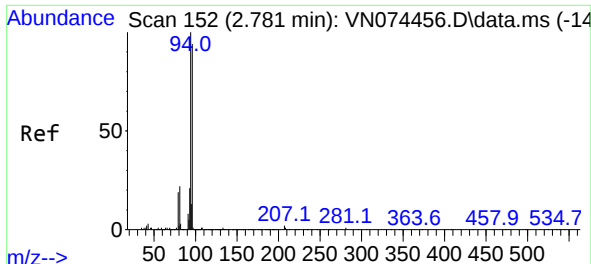
Tgt Ion:168 Resp: 249360
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#3
Chloromethane
Concen: 0.475 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 50 Resp: 996
Ion Ratio Lower Upper
50 100
52 42.5 25.7 38.5#

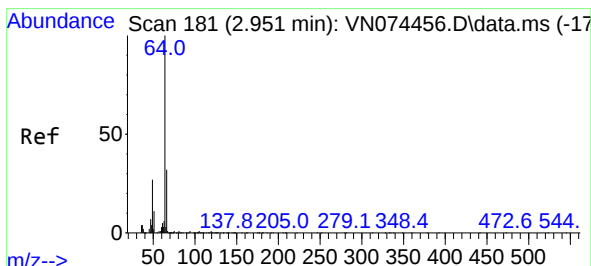
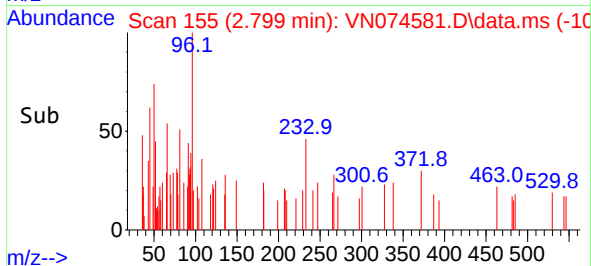
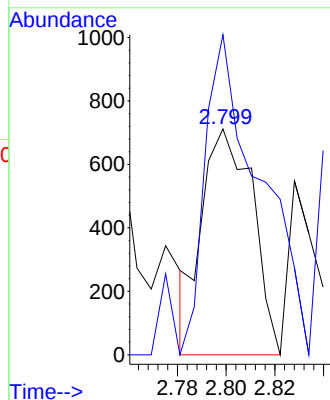
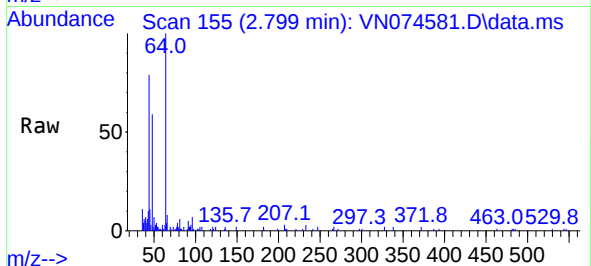




#5
Bromomethane
Concen: 0.398 ug/l
RT: 2.799 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

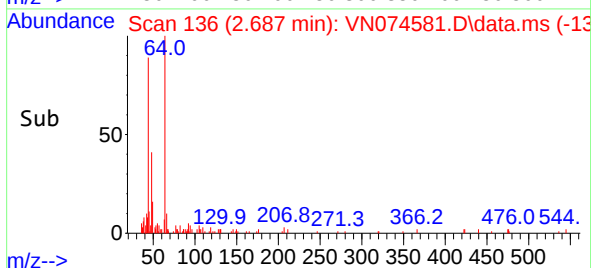
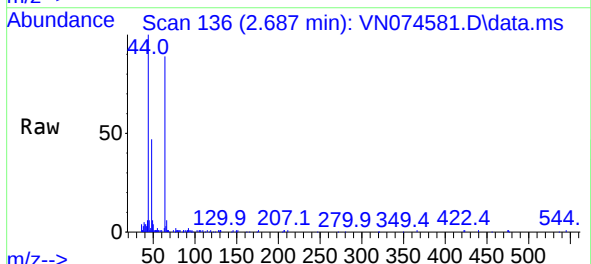
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

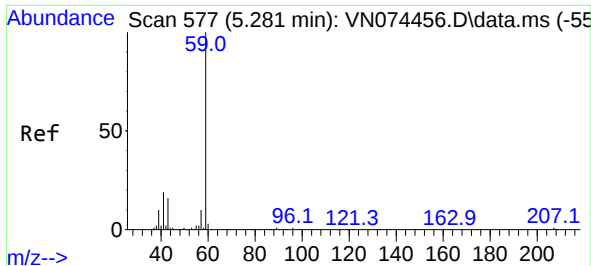
Tgt Ion: 94 Resp: 1026
Ion Ratio Lower Upper
94 100
96 141.7 76.0 114.0#



#6
Chloroethane
Concen: 7.397 ug/l
RT: 2.687 min Scan# 136
Delta R.T. -0.264 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 64 Resp: 24681
Ion Ratio Lower Upper
64 100
66 9.6 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.252 ug/l

RT: 5.304 min Scan# 51

Delta R.T. 0.023 min

Lab File: VN074581.D

Acq: 19 Sep 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

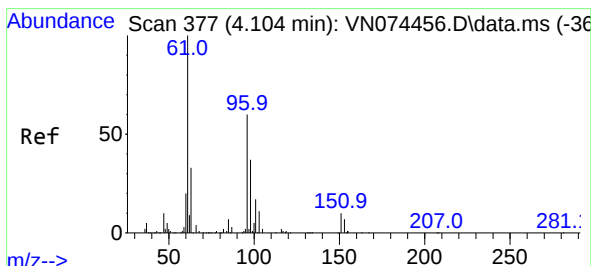
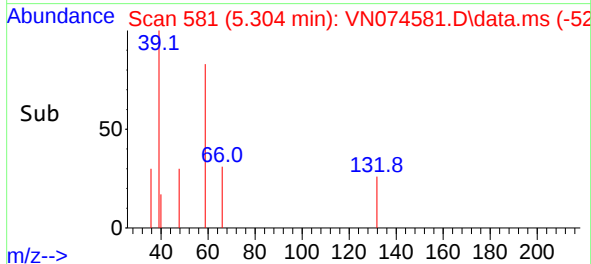
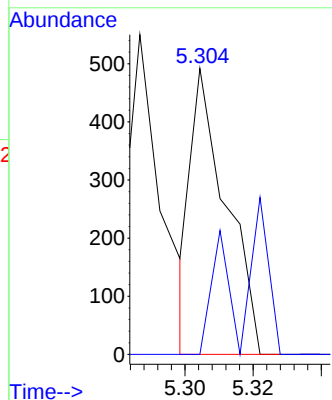
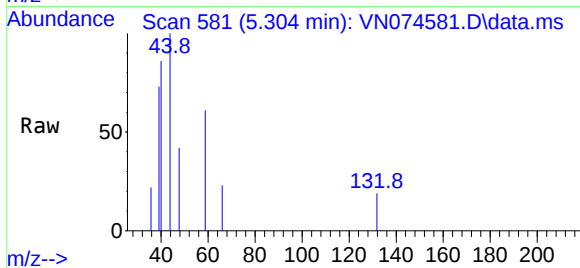
1034-MW-01(23)DL

Tgt Ion: 59 Resp: 347

Ion Ratio Lower Upper

59 100

57 21.6 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.733 ug/l

RT: 4.110 min Scan# 378

Delta R.T. 0.006 min

Lab File: VN074581.D

Acq: 19 Sep 2022 13:12

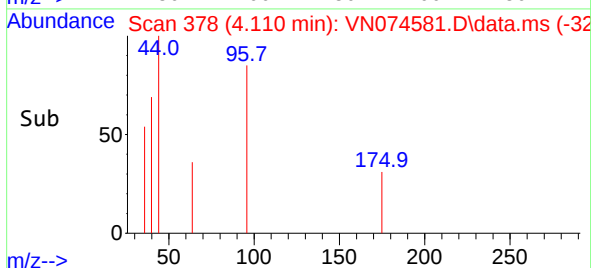
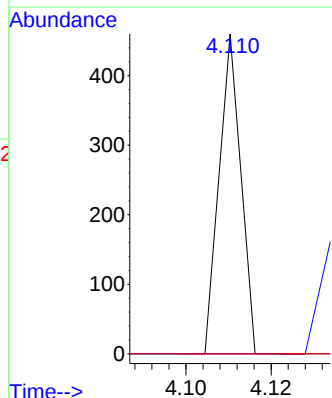
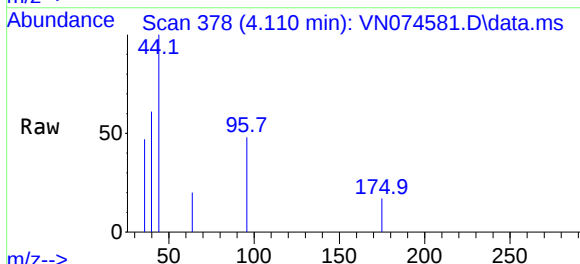
Tgt Ion: 96 Resp: 162

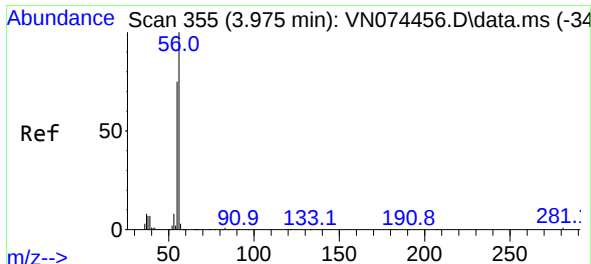
Ion Ratio Lower Upper

96 100

61 0.0 127.6 191.4#

98 0.0 51.2 76.8#

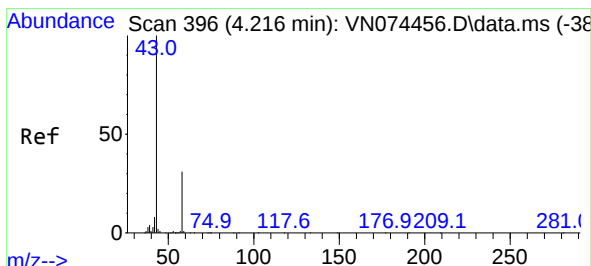
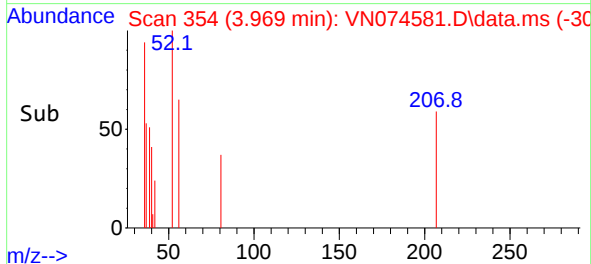
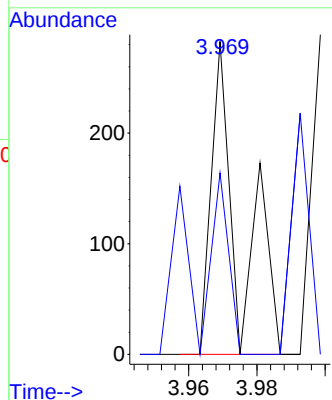
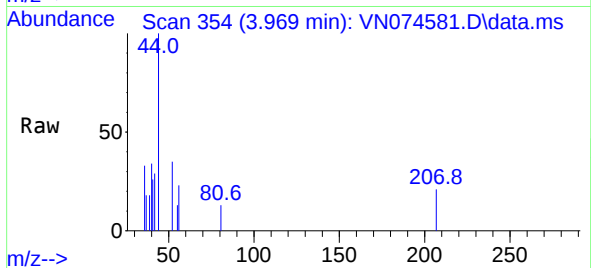




#13
Acrolein
Concen: 0.320 ug/l
RT: 3.969 min Scan# 311
Delta R.T. -0.006 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

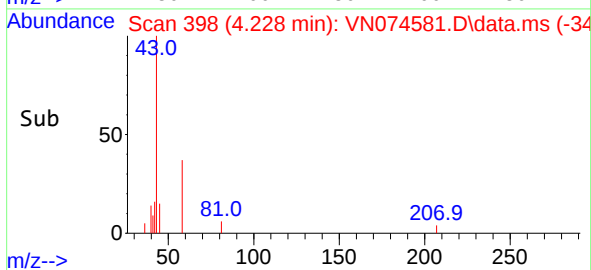
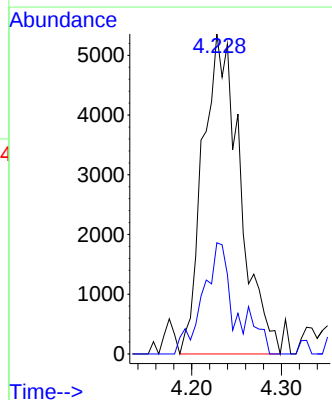
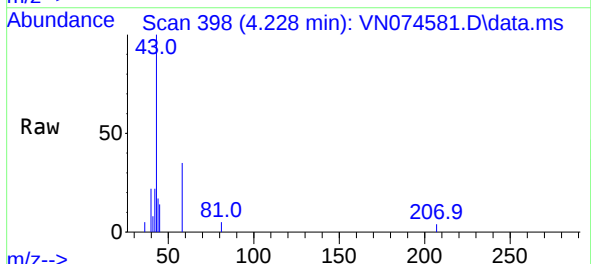
Instrument :
MSVOA_N
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1034-MW-01(23)DL

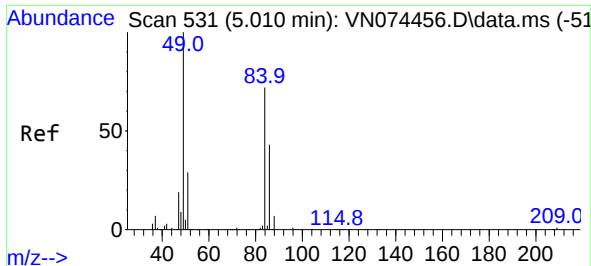
Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 68.9 54.8 82.2



#16
Acetone
Concen: 5.711 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

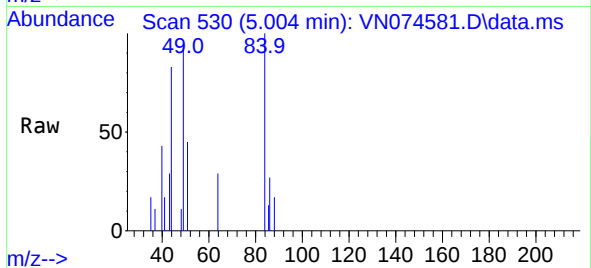
Tgt Ion: 43 Resp: 15461
Ion Ratio Lower Upper
43 100
58 34.8 26.0 39.0





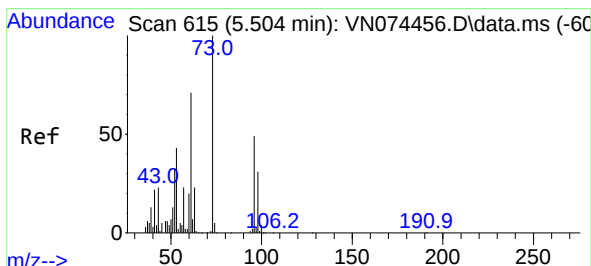
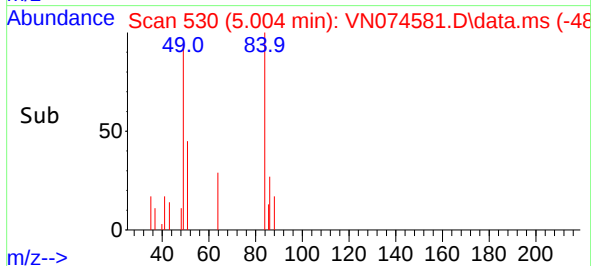
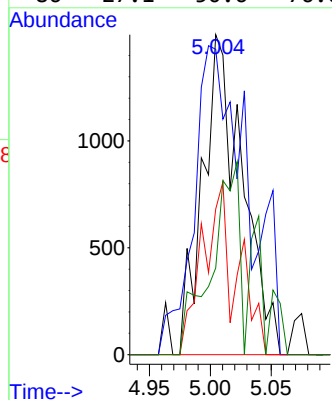
#20
Methylene Chloride
Concen: 0.850 ug/l
RT: 5.004 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL



Tgt Ion: 84 Resp: 3390

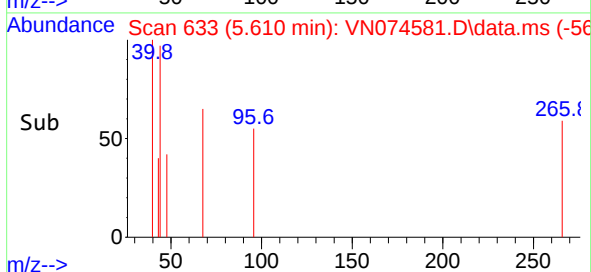
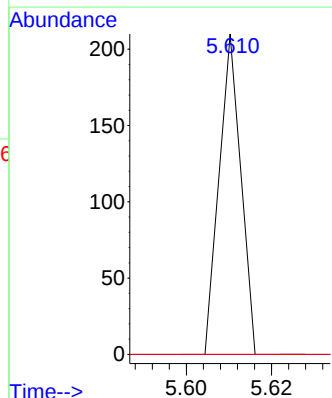
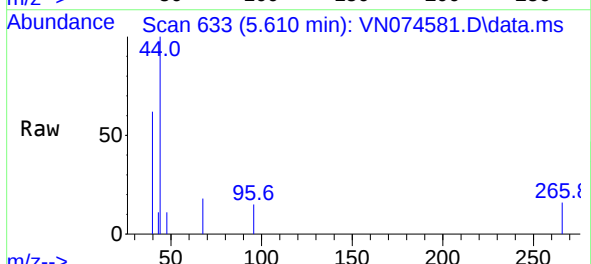
Ion	Ratio	Lower	Upper
84	100		
49	95.5	88.3	132.5
51	45.5	28.2	42.2#
86	27.1	50.6	76.0#

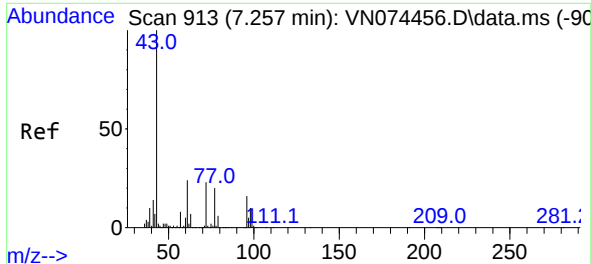


#21
trans-1,2-Dichloroethene
Concen: 0.449 ug/l
RT: 5.610 min Scan# 633
Delta R.T. 0.106 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 96 Resp: 74

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#

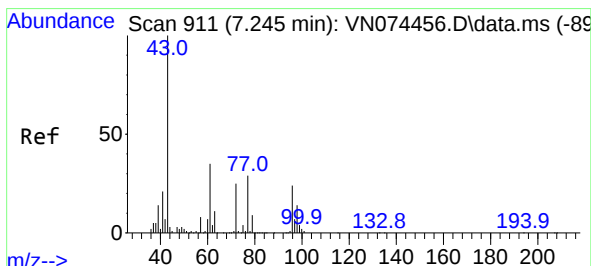
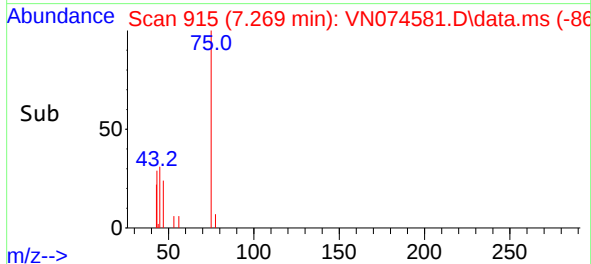
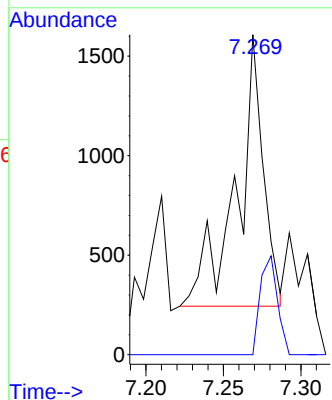
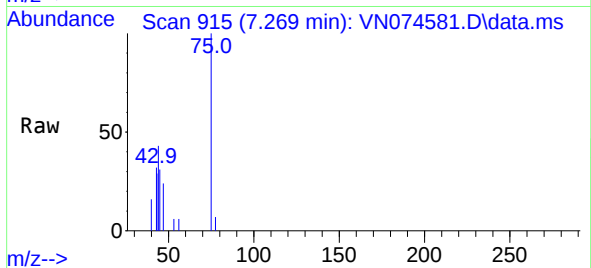




#25
2-Butanone
Concen: 0.361 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

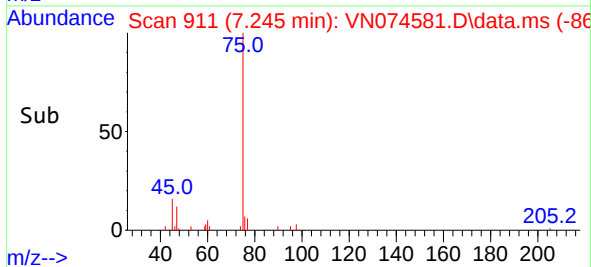
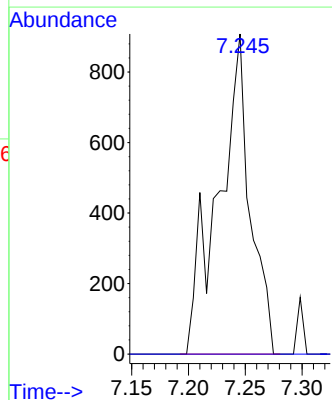
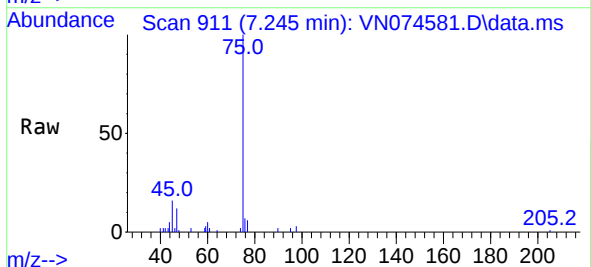
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

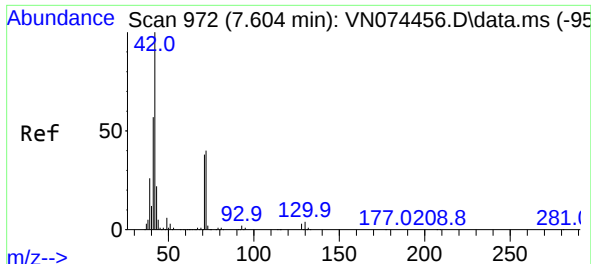
Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.261 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 77 Resp: 1769
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.404 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074581.D

Acq: 19 Sep 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

1034-MW-01(23)DL

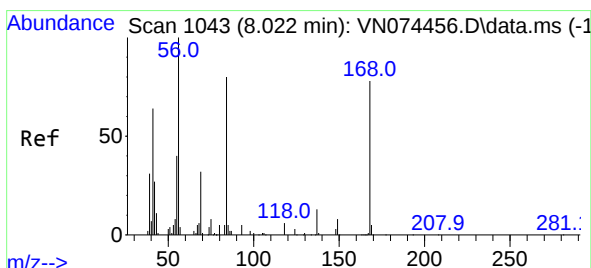
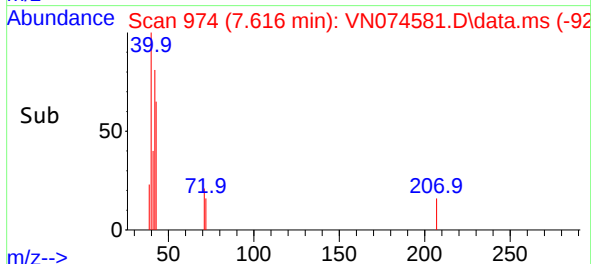
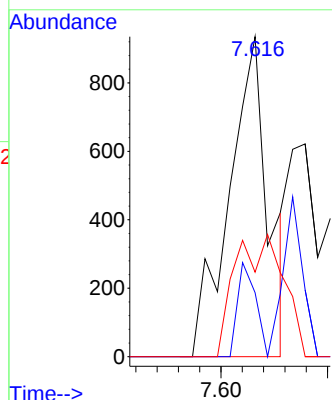
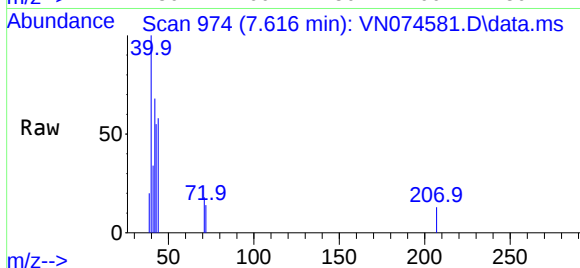
Tgt Ion: 42 Resp: 1195

Ion Ratio Lower Upper

42 100

72 13.6 39.7 59.5#

71 47.0 36.6 55.0



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074581.D

Acq: 19 Sep 2022 13:12

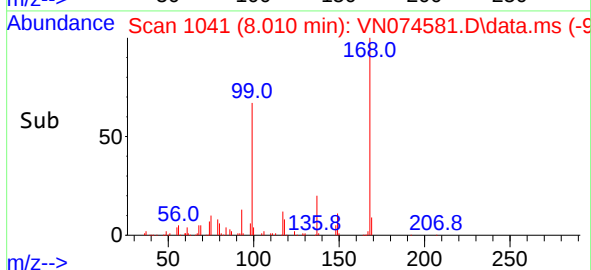
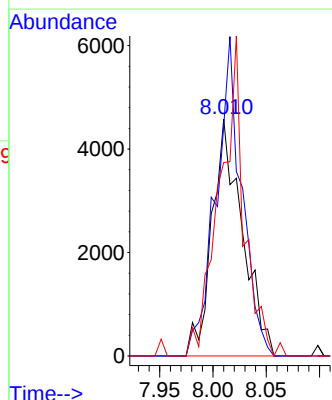
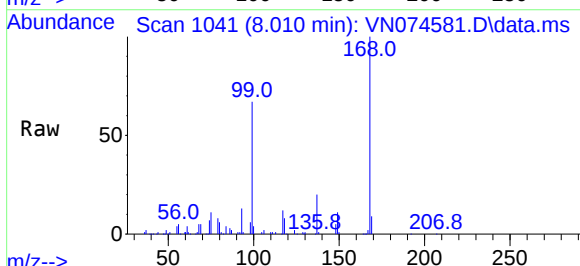
Tgt Ion: 56 Resp: 9061

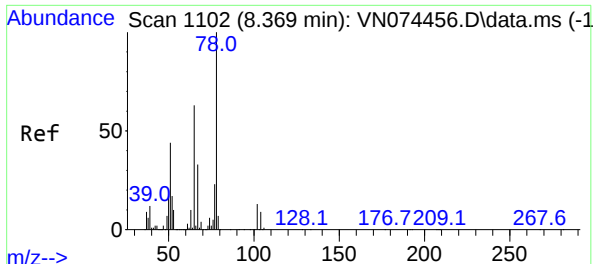
Ion Ratio Lower Upper

56 100

69 97.0 27.8 41.8#

84 81.6 76.9 115.3

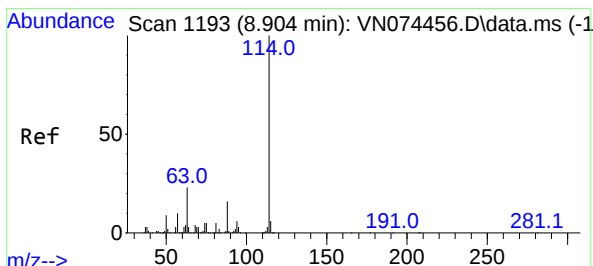
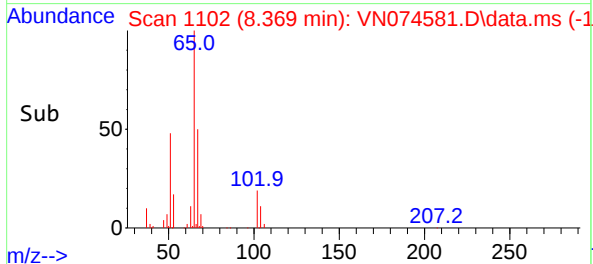
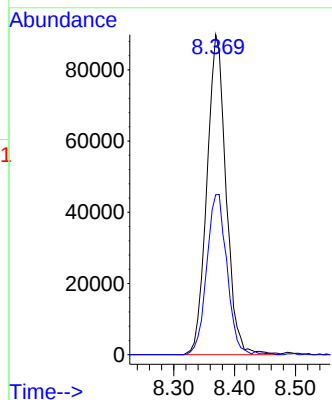
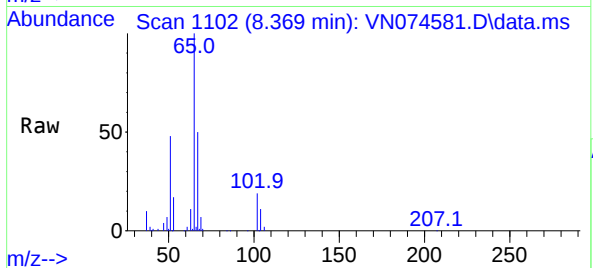




#33
1,2-Dichloroethane-d4
Concen: 46.525 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

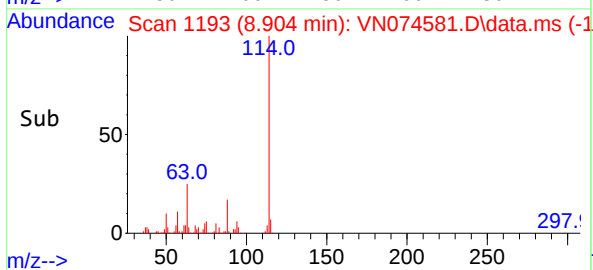
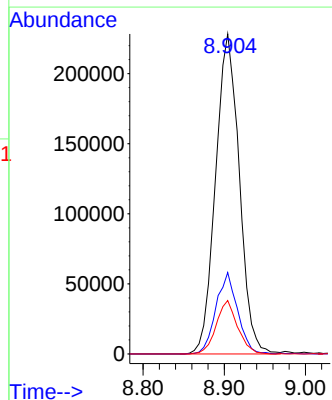
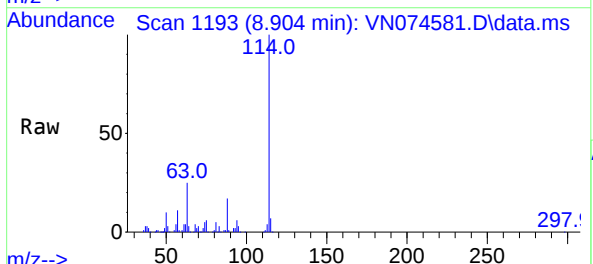
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

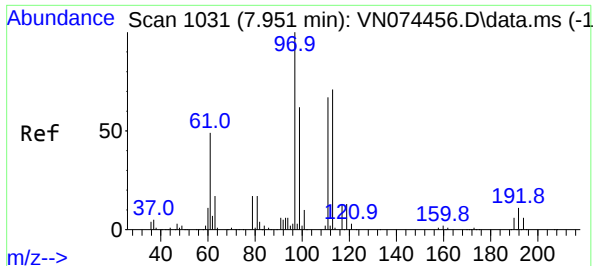
Tgt Ion: 65 Resp: 196848
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:114 Resp: 464064
Ion Ratio Lower Upper
114 100
63 25.4 0.0 40.0
88 16.7 0.0 32.6

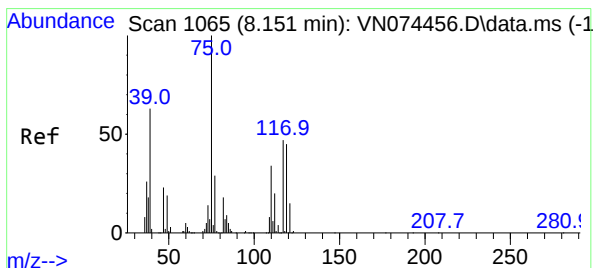
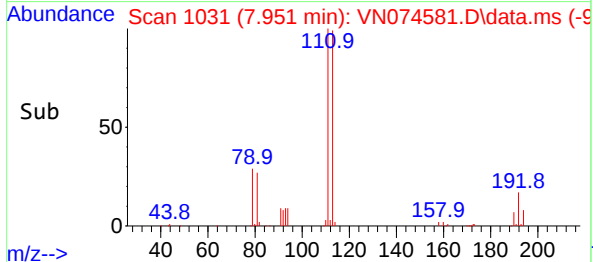
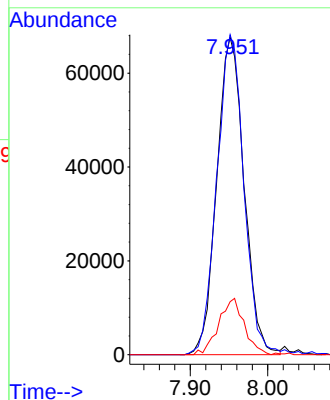
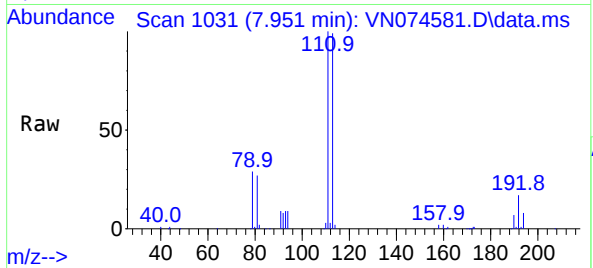




#35
Dibromofluoromethane
Concen: 53.727 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

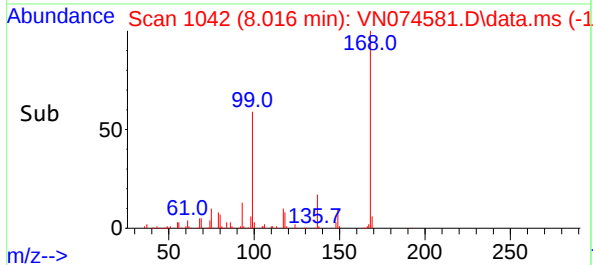
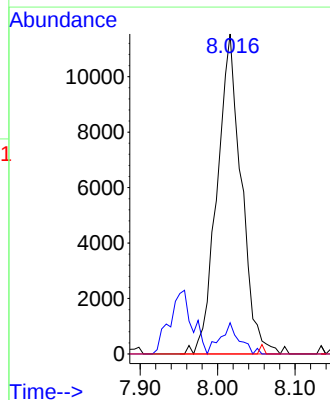
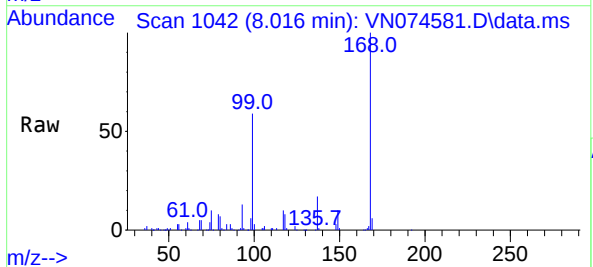
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

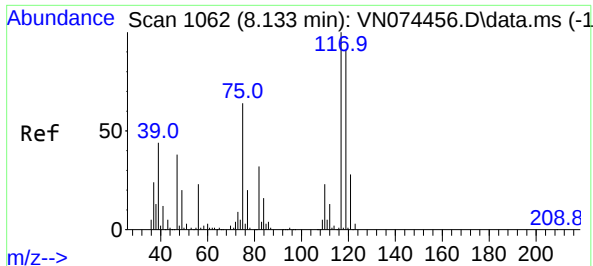
Tgt Ion:113 Resp: 165623
Ion Ratio Lower Upper
113 100
111 100.0 81.4 122.0
192 16.6 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 75 Resp: 25137
Ion Ratio Lower Upper
75 100
110 7.6 18.3 54.8#
77 0.0 25.1 37.7#

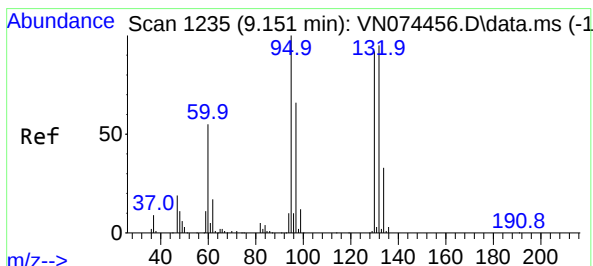
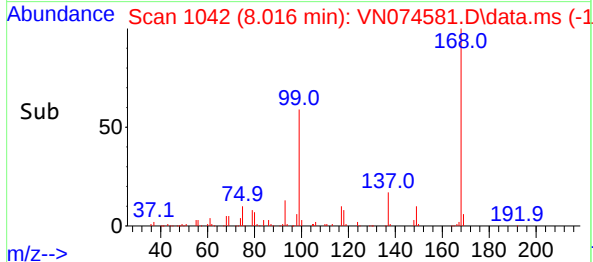
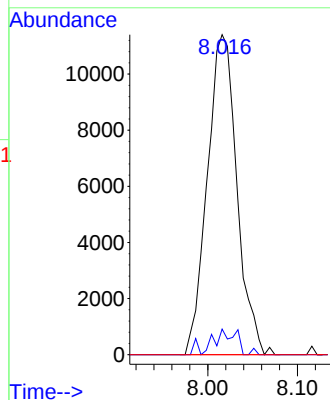
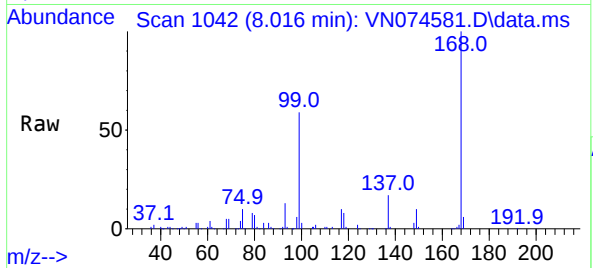




#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

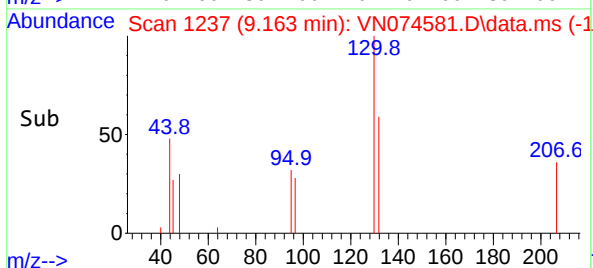
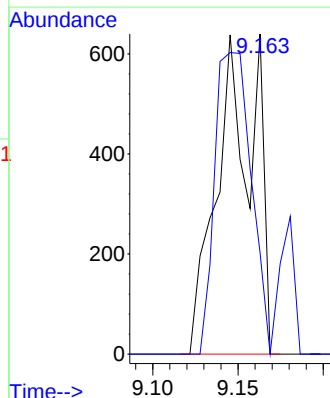
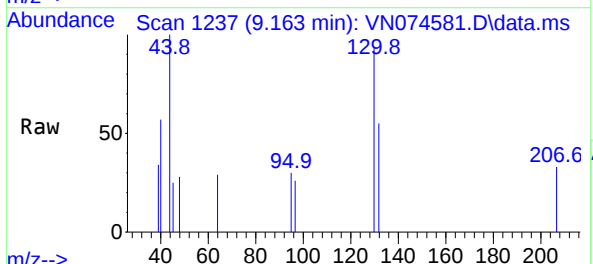
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

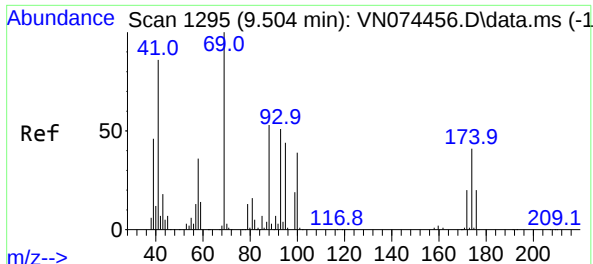
Tgt Ion:117 Resp: 26154
Ion Ratio Lower Upper
117 100
119 8.0 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 0.266 ug/l
RT: 9.163 min Scan# 1237
Delta R.T. 0.012 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:130 Resp: 971
Ion Ratio Lower Upper
130 100
95 31.7 0.0 186.8

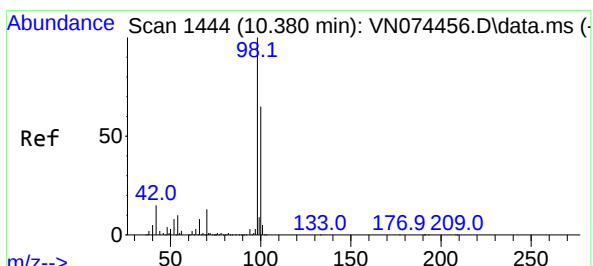
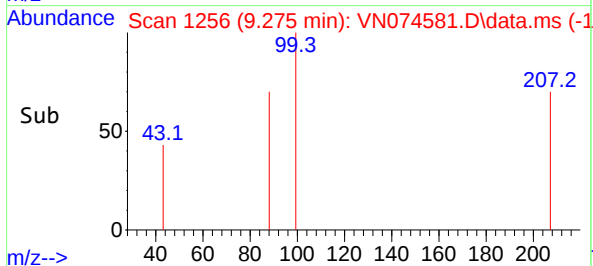
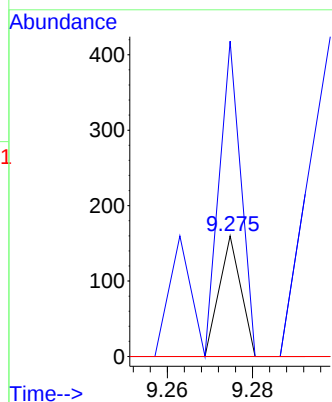
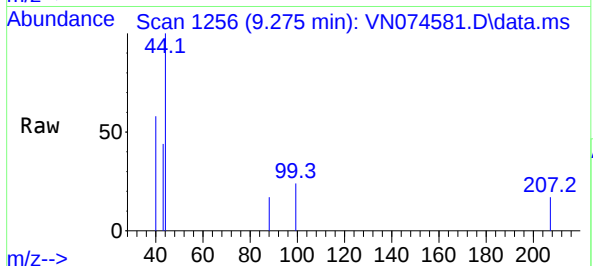




#49
1,4-Dioxane
Concen: 0.498 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.229 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

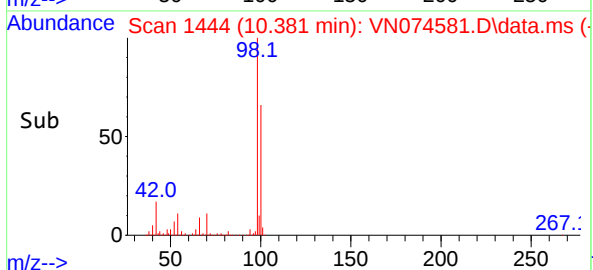
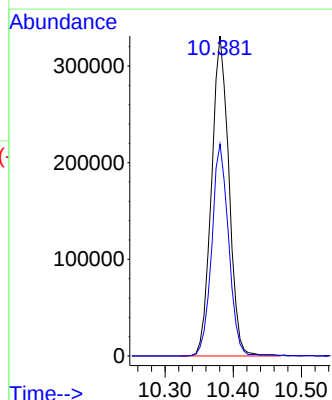
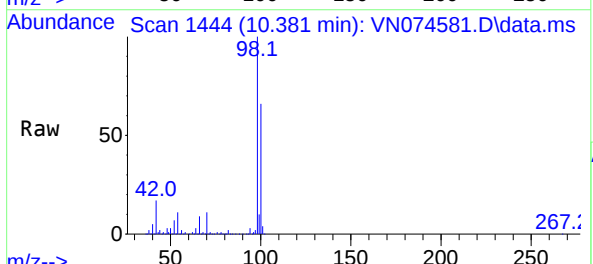
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

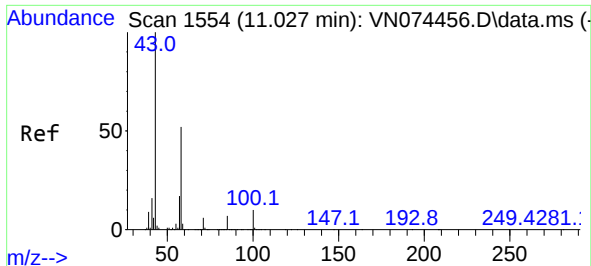
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 364.3 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 49.295 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 98 Resp: 587687
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

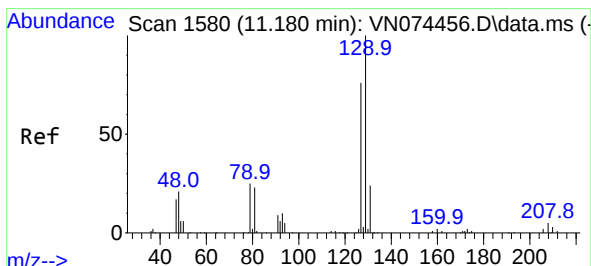
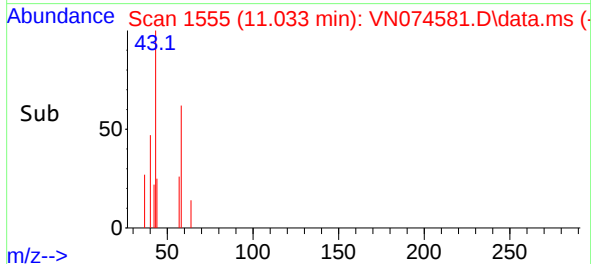
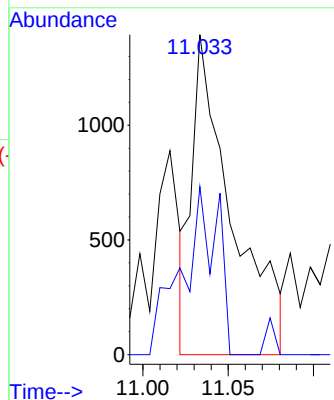
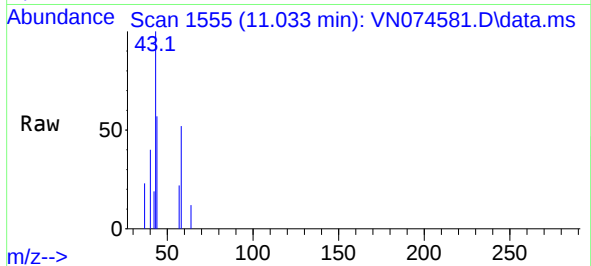




#59
2-Hexanone
Concen: 0.345 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

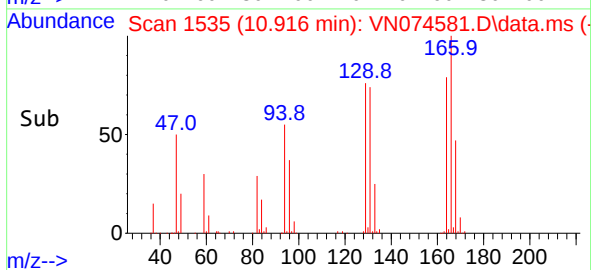
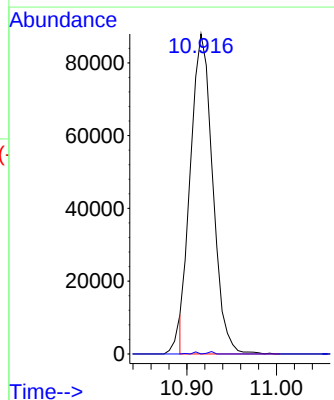
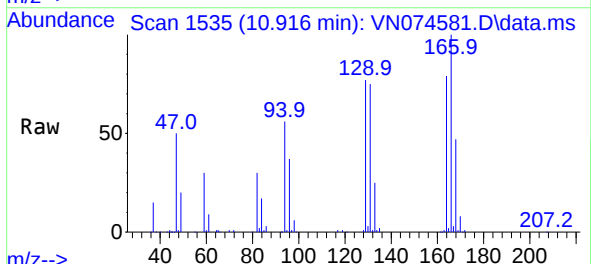
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

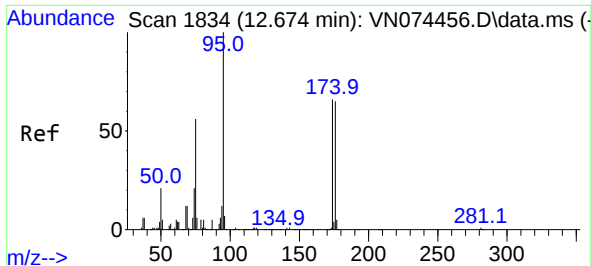
Tgt Ion: 43 Resp: 2268
Ion Ratio Lower Upper
43 100
58 47.0 29.7 89.1



#60
Dibromochloromethane
Concen: 37.492 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.264 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:129 Resp: 150421
Ion Ratio Lower Upper
129 100
127 0.2 38.8 116.4#

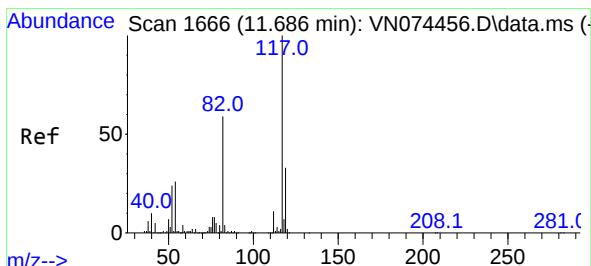
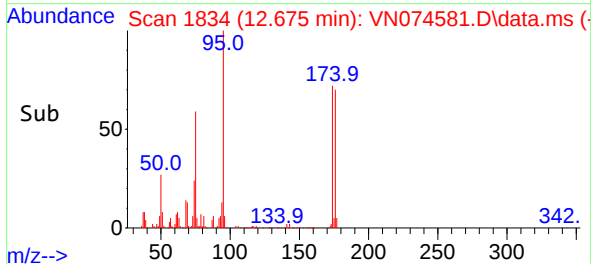
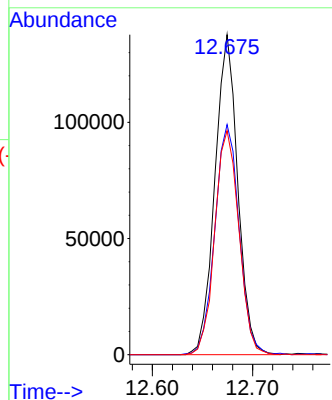
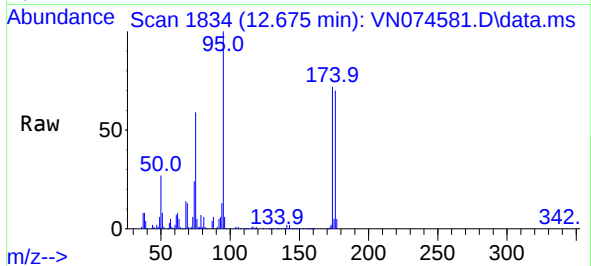




#62
4-Bromofluorobenzene
Concen: 53.428 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

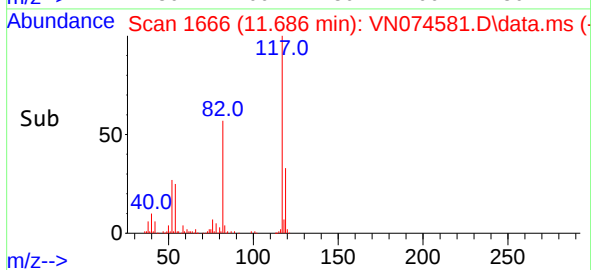
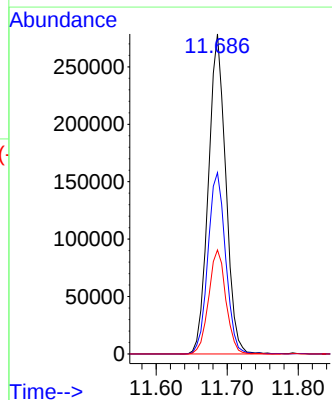
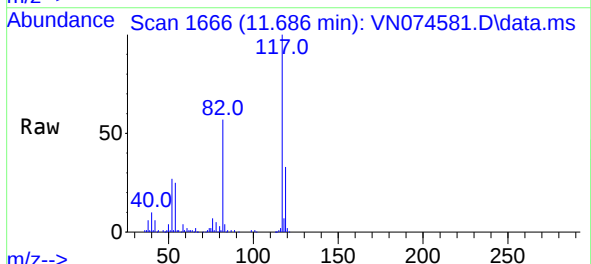
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

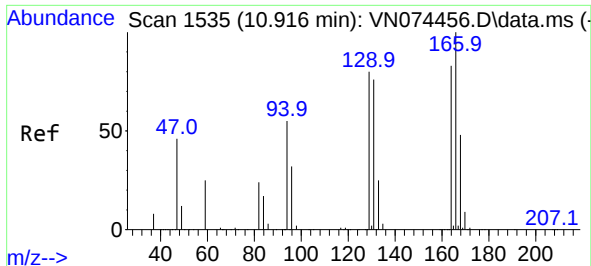
Tgt Ion: 95 Resp: 218158
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 73.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

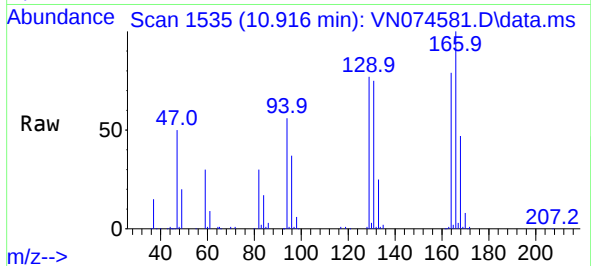
Tgt Ion: 117 Resp: 474127
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.5 25.4 38.0



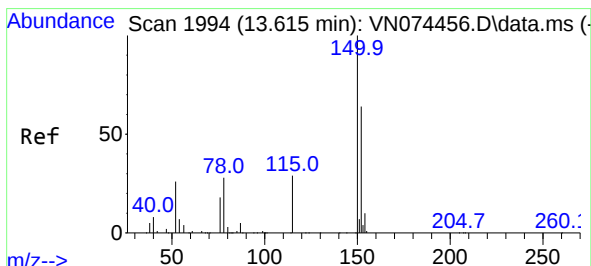
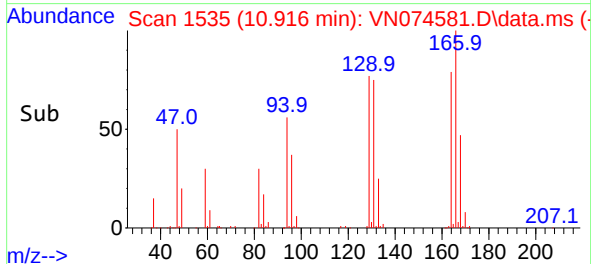
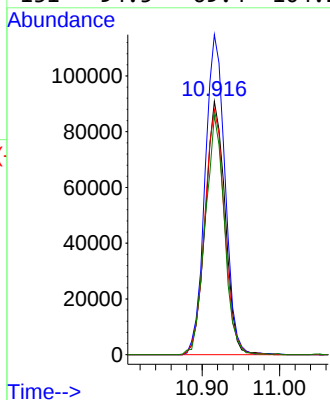


#64
Tetrachloroethene
Concen: 49.666 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

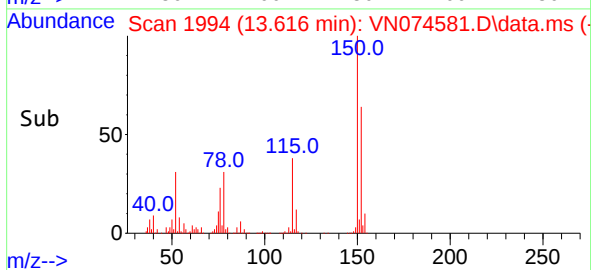
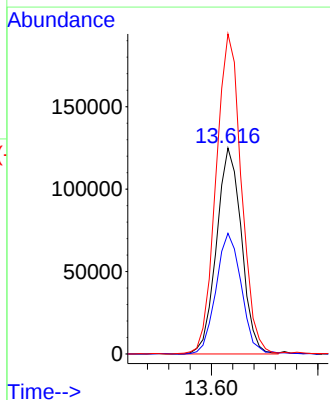
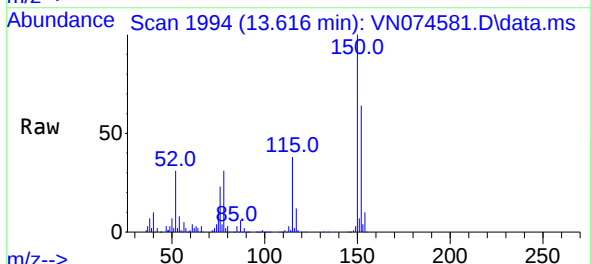


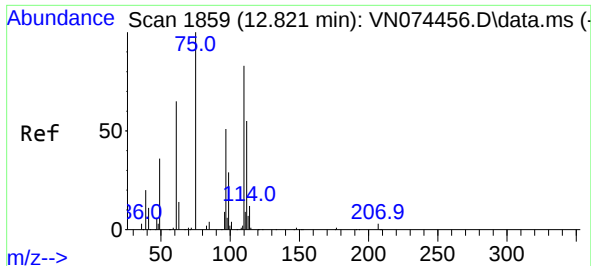
Tgt Ion:164 Resp: 161605
Ion Ratio Lower Upper
164 100
166 126.3 104.2 156.2
129 96.7 73.9 110.9
131 94.5 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion:152 Resp: 203057
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 157.7 0.0 356.2

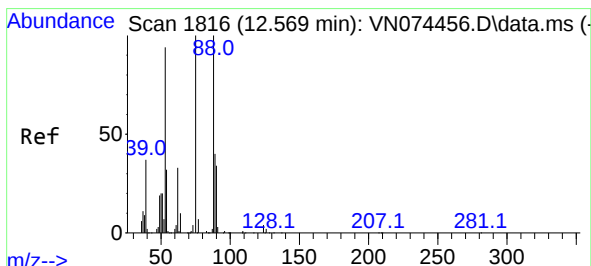
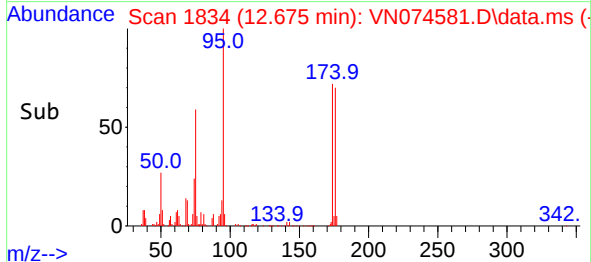
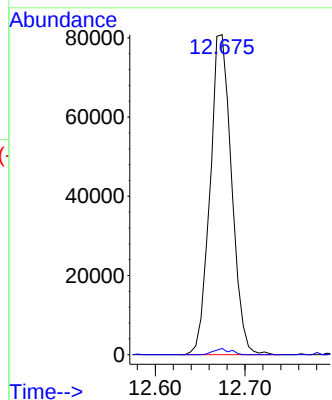
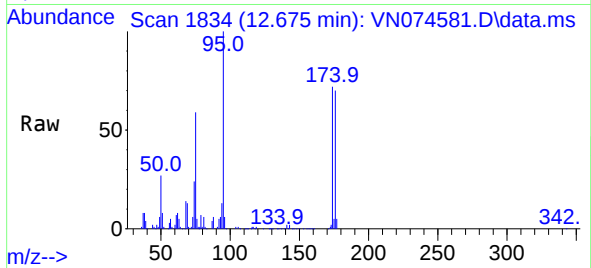




#76
1,2,3-Trichloropropane
Concen: 21.587 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

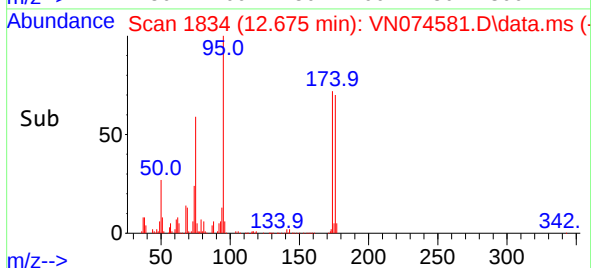
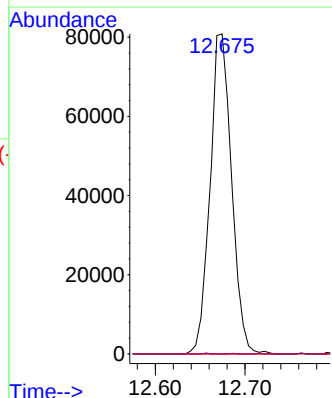
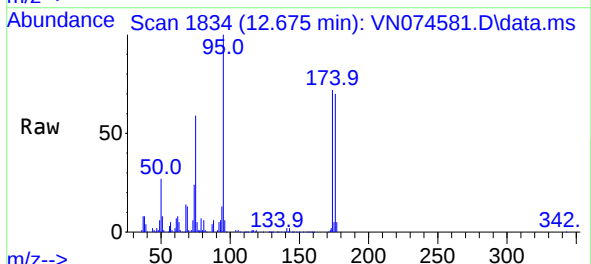
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

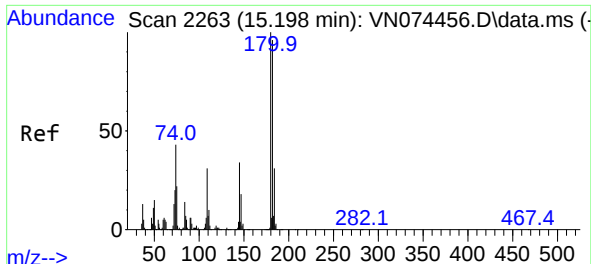
Tgt Ion: 75 Resp: 134925
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.592 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

Tgt Ion: 75 Resp: 134925
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

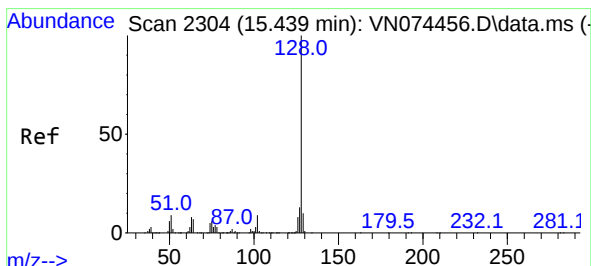
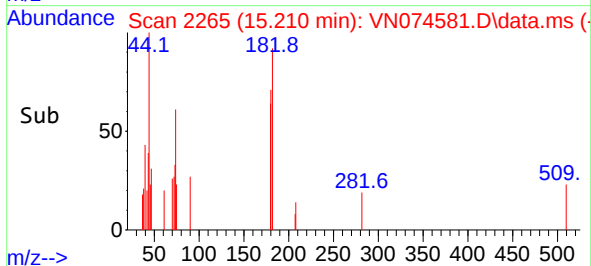
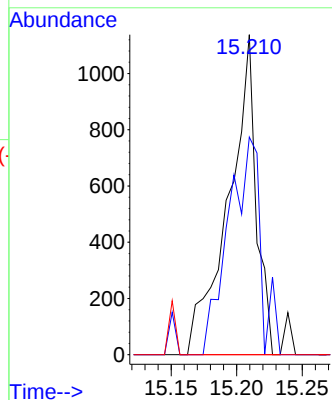
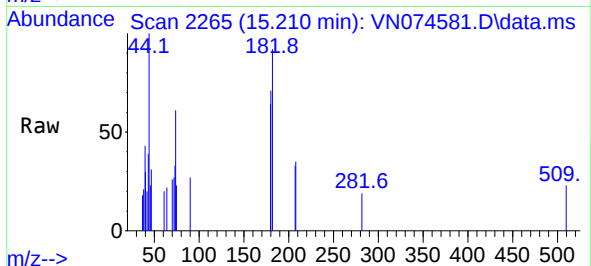




#93
1,2,4-Trichlorobenzene
Concen: 0.413 ug/l
RT: 15.210 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

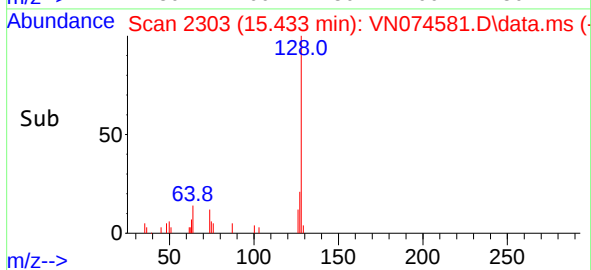
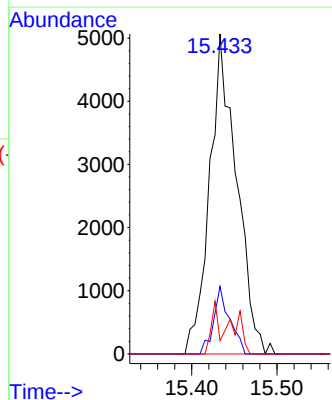
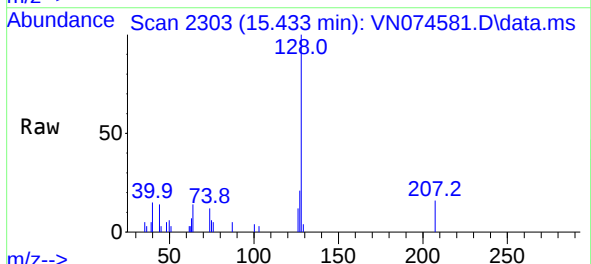
Instrument :
MSVOA_N
ClientSampleId :
1034-MW-01(23)DL

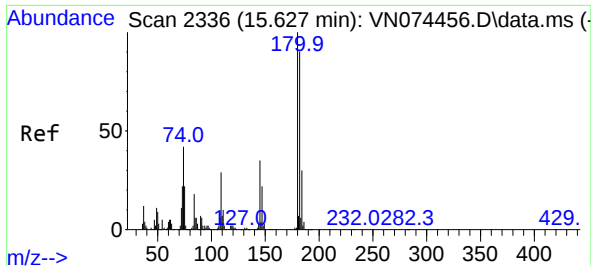
Tgt Ion:180 Resp: 1665
Ion Ratio Lower Upper
180 100
182 79.5 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 2.211 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074581.D
Acq: 19 Sep 2022 13:12

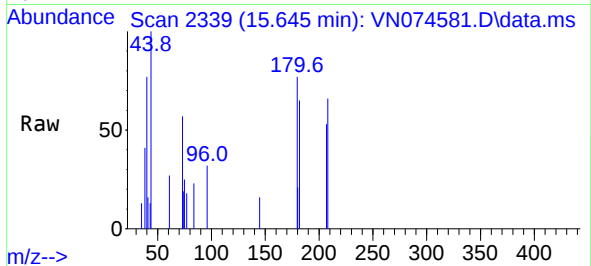
Tgt Ion:128 Resp: 11170
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 5.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.794 ug/l
 RT: 15.645 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN074581.D
 Acq: 19 Sep 2022 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 1034-MW-01(23)DL



Tgt Ion:	180	Resp:	1965
Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.8	143.3
145	33.4	15.5	46.5

