

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074953.D
 Acq On : 21 Oct 2022 11:06
 Operator : JC\MD
 Sample : VN1021MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01

Quant Time: Oct 22 02:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

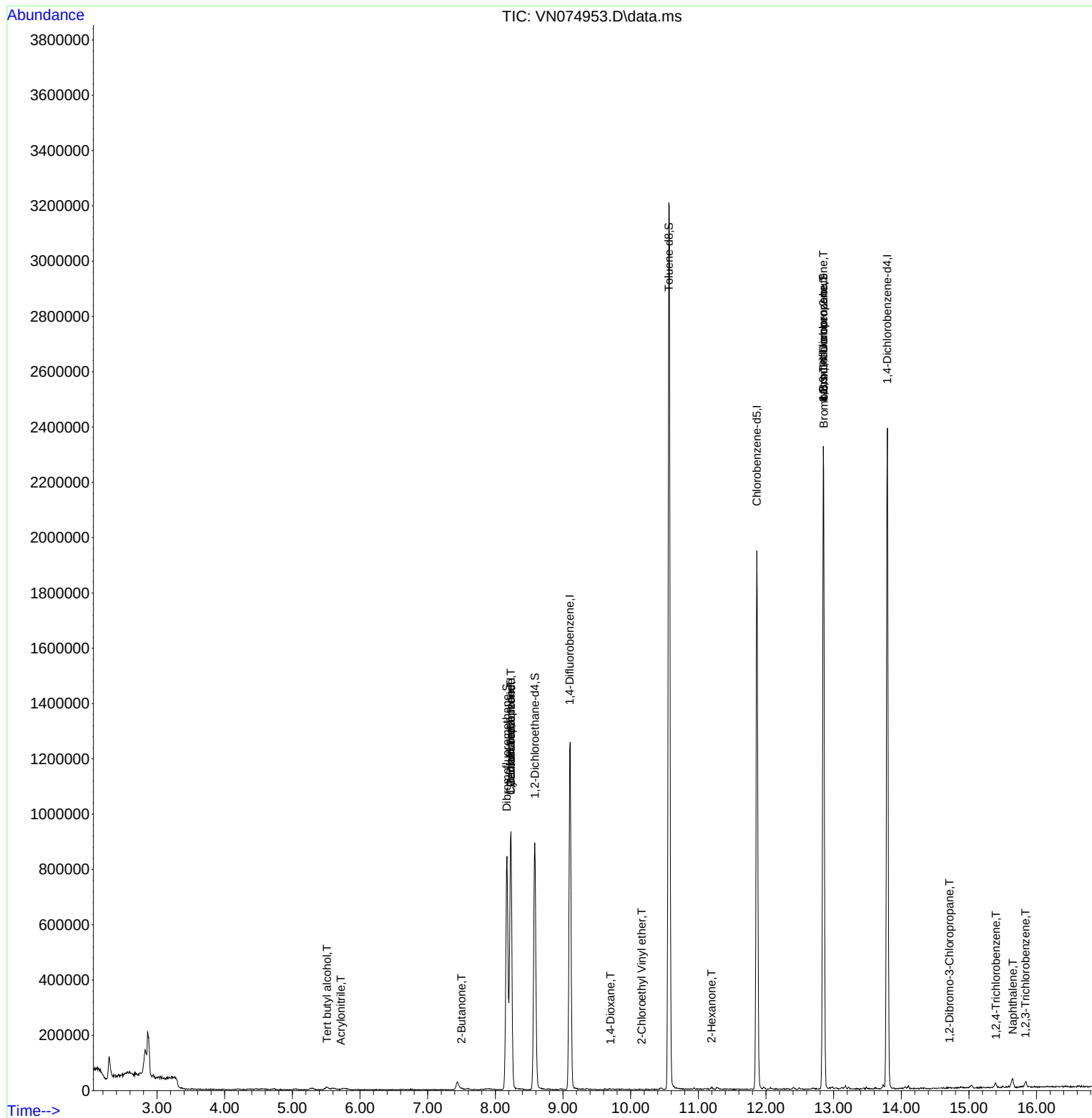
Internal Standards						
1) Pentafluorobenzene	8.230	168	654203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1105456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1093352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	613839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	724844	41.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.400%		
35) Dibromofluoromethane	8.171	113	580637	44.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.260%		
50) Toluene-d8	10.565	98	2294228	45.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.900%		
62) 4-Bromofluorobenzene	12.847	95	789993	44.363	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	3484	Below Cal	#	69
4) Vinyl Chloride	2.518	62	373	Below Cal	#	44
5) Bromomethane	2.906	94	468	Below Cal		88
6) Chloroethane	3.171	64	3363	Below Cal	#	74
7) Trichlorofluoromethane	3.512	101	118	Below Cal	#	18
11) Tert butyl alcohol	5.512	59	5058	1.376	ug/l #	72
12) 1,1-Dichloroethene	4.359	96	128	Below Cal	#	12
13) Acrolein	4.189	56	1195	Below Cal	#	1
15) Acrylonitrile	5.718	53	3028	0.407	ug/l #	26
16) Acetone	4.453	43	3197	Below Cal		91
17) Carbon Disulfide	4.712	76	2272	Below Cal	#	74
20) Methylene Chloride	5.289	84	4463	Below Cal	#	86
21) trans-1,2-Dichloroethene	5.783	96	312	Below Cal	#	57
25) 2-Butanone	7.500	43	4930	0.466	ug/l	99
31) Cyclohexane	8.224	56	16140	0.909	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	58398	3.524	ug/l #	51
38) Carbon Tetrachloride	8.230	117	75586	4.190	ug/l #	16
49) 1,4-Dioxane	9.700	88	631	1.649	ug/l #	89
58) 2-Chloroethyl Vinyl ether	10.165	63	605	3.672	ug/l #	45
59) 2-Hexanone	11.194	43	5336	0.351	ug/l	96
71) Bromoform	12.853	173	6669	0.709	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	442985	26.611	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	442985	85.321	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.711	75	1105	0.284	ug/l #	32
93) 1,2,4-Trichlorobenzene	15.400	180	5249	0.535	ug/l	87
95) Naphthalene	15.647	128	30401	0.815	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.835	180	7092	0.718	ug/l	89

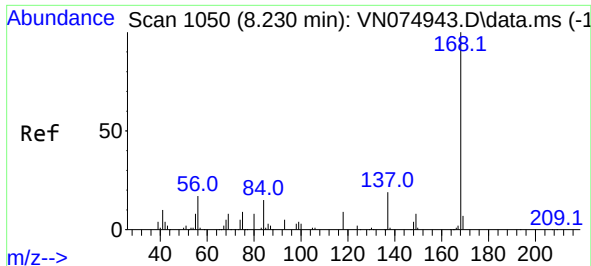
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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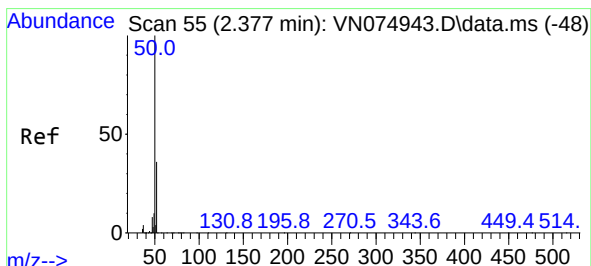
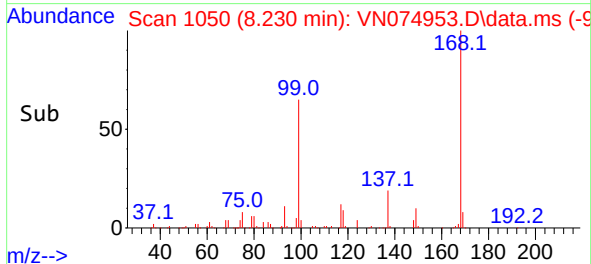
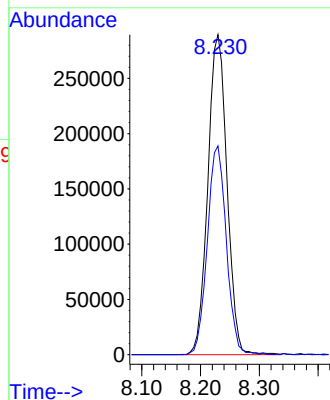
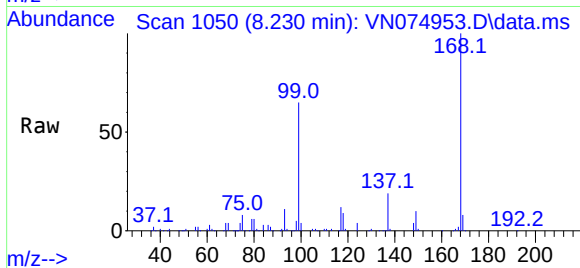




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

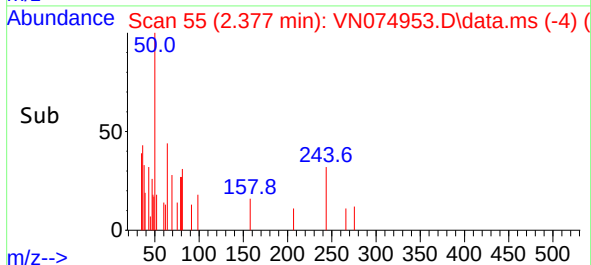
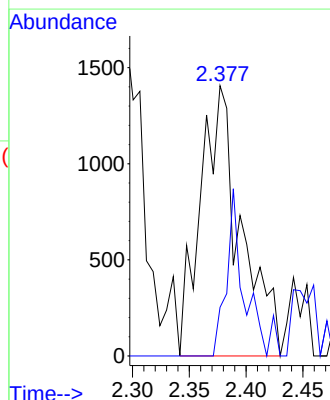
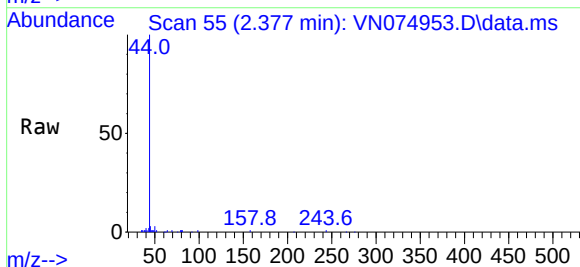
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

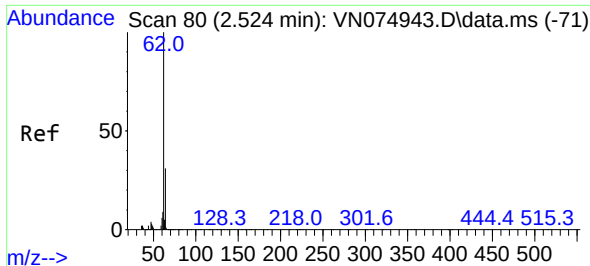
Tgt Ion:168 Resp: 654203
Ion Ratio Lower Upper
168 100
99 65.3 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 50 Resp: 3484
Ion Ratio Lower Upper
50 100
52 18.0 28.8 43.2#

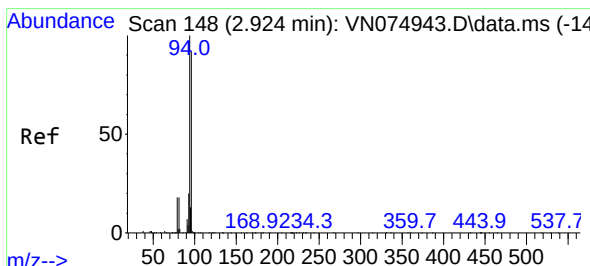
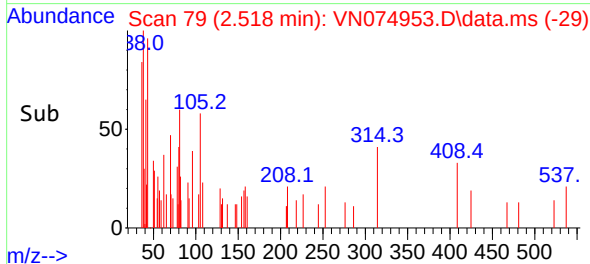
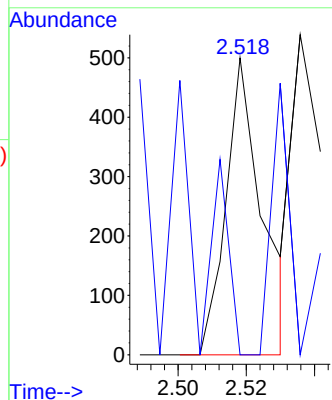
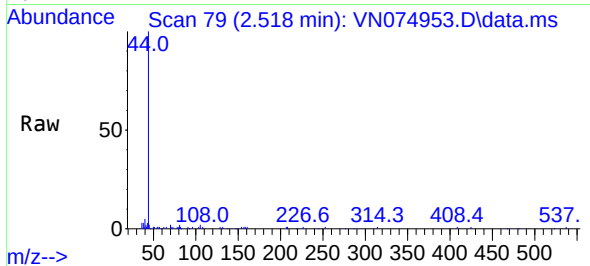




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.518 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VN074953.D
 Acq: 21 Oct 2022 11:06

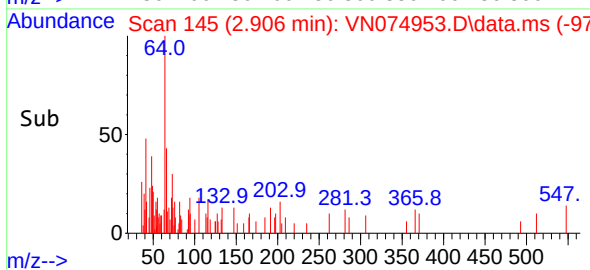
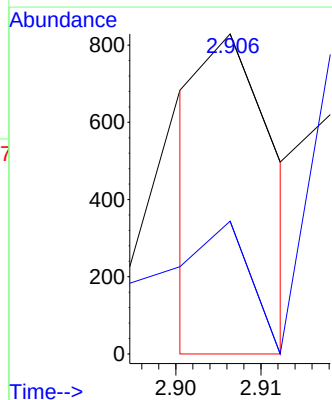
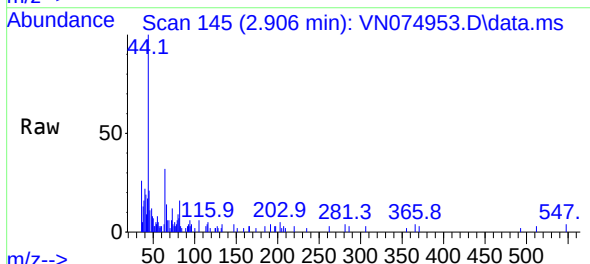
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01

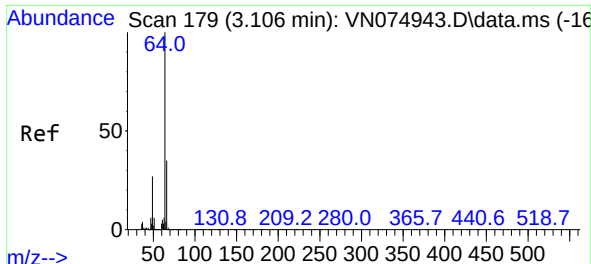
Tgt Ion: 62 Resp: 373
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.906 min Scan# 145
 Delta R.T. -0.018 min
 Lab File: VN074953.D
 Acq: 21 Oct 2022 11:06

Tgt Ion: 94 Resp: 468
 Ion Ratio Lower Upper
 94 100
 96 103.6 73.5 110.3

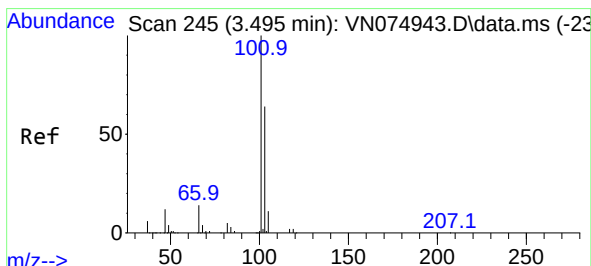
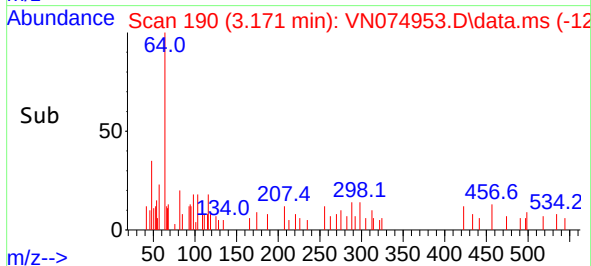
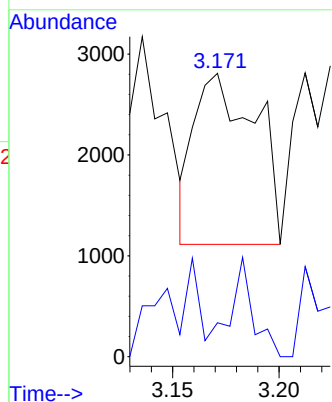
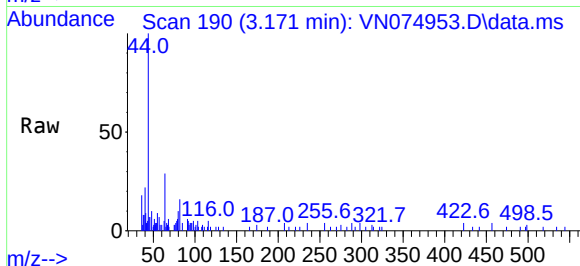




#6
Chloroethane
Concen: Below Cal
RT: 3.171 min Scan# 19
Delta R.T. 0.065 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

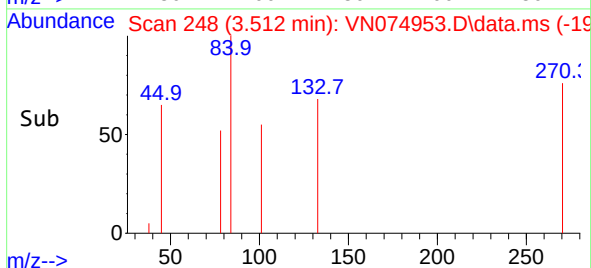
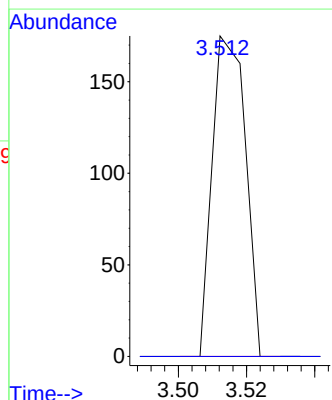
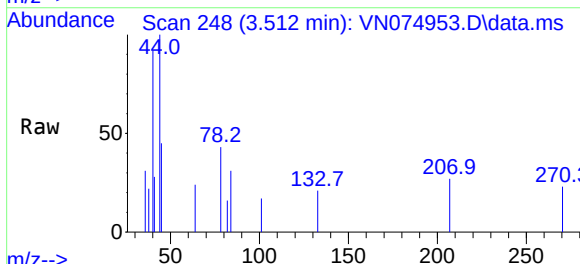
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

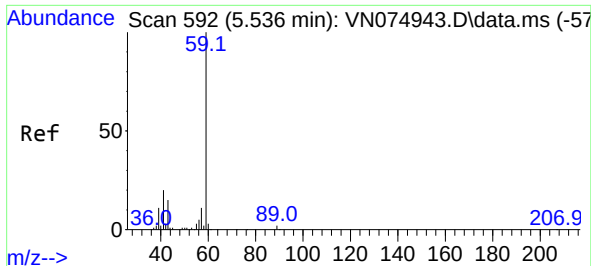
Tgt Ion: 64 Resp: 3363
Ion Ratio Lower Upper
64 100
66 19.8 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.512 min Scan# 248
Delta R.T. 0.017 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 101 Resp: 118
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

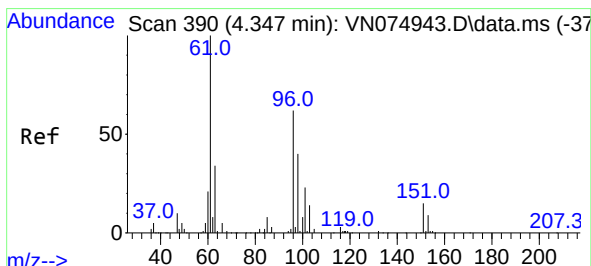
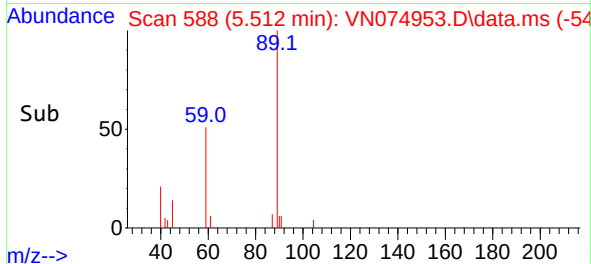
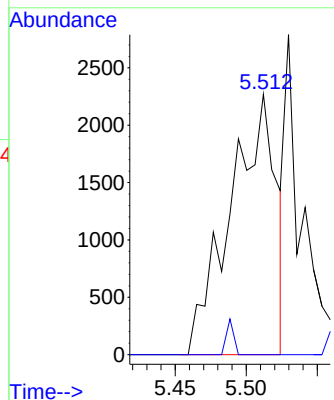
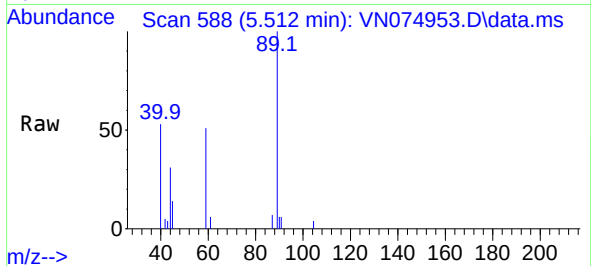




#11
Tert butyl alcohol
Concen: 1.376 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

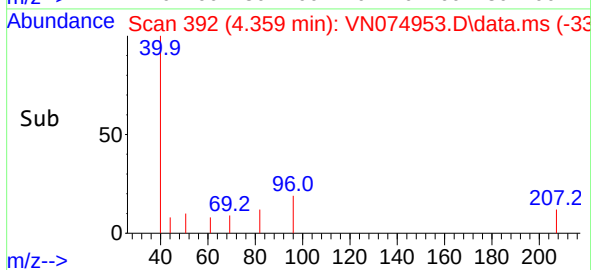
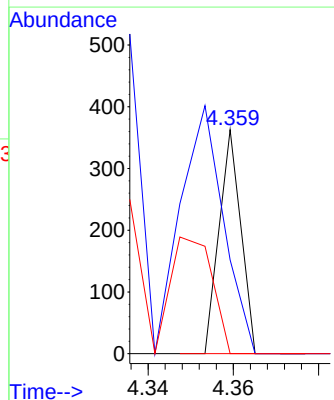
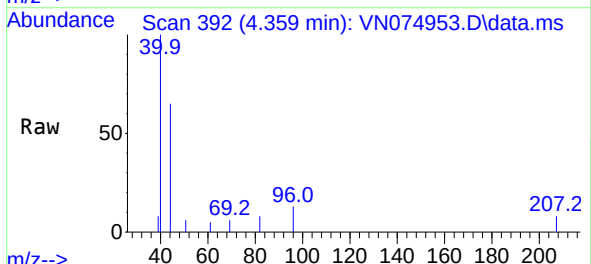
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

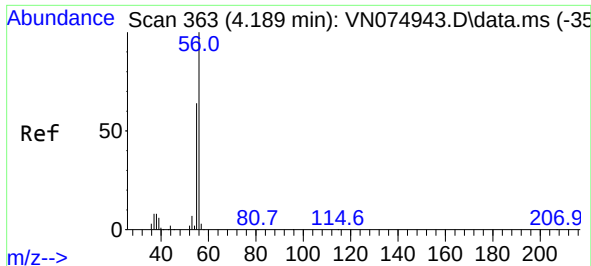
Tgt Ion: 59 Resp: 5058
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.359 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 96 Resp: 128
Ion Ratio Lower Upper
96 100
61 41.9 128.9 193.3#
98 0.0 51.8 77.8#

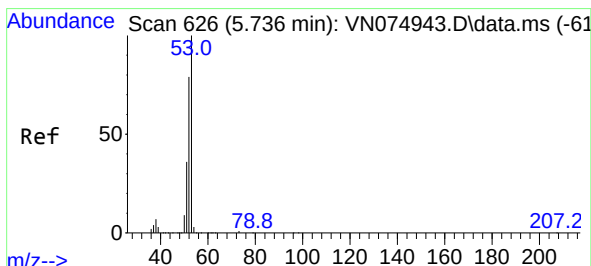
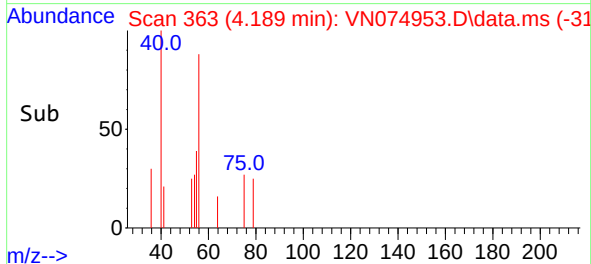
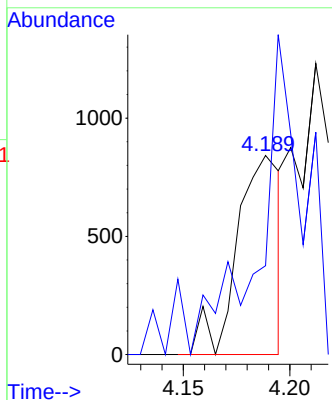
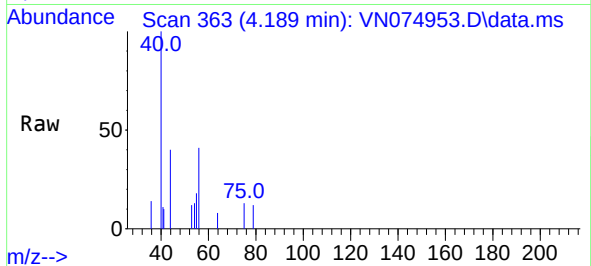




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

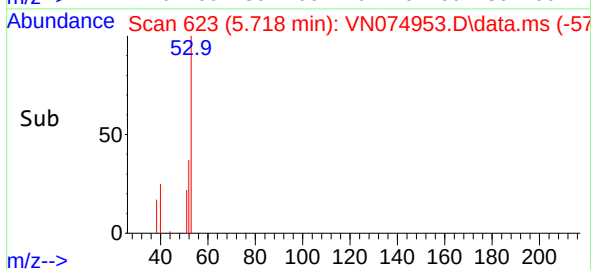
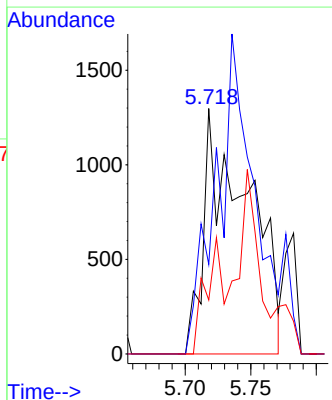
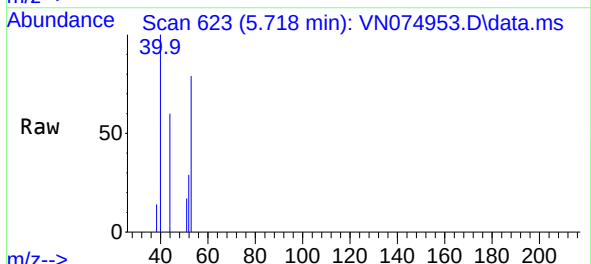
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

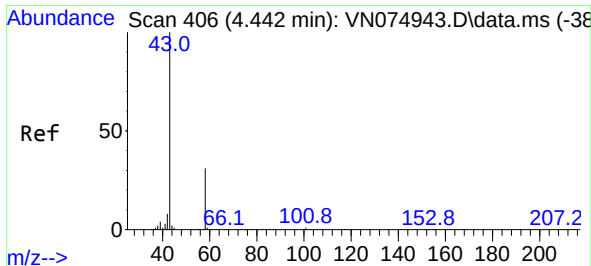
Tgt Ion: 56 Resp: 1195
Ion Ratio Lower Upper
56 100
55 149.7 53.7 80.5#



#15
Acrylonitrile
Concen: 0.407 ug/l
RT: 5.718 min Scan# 623
Delta R.T. -0.018 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 53 Resp: 3028
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 18.2 28.8 43.2#

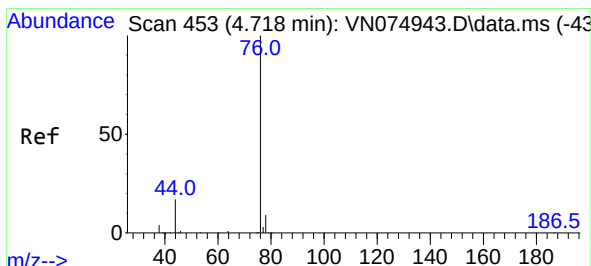
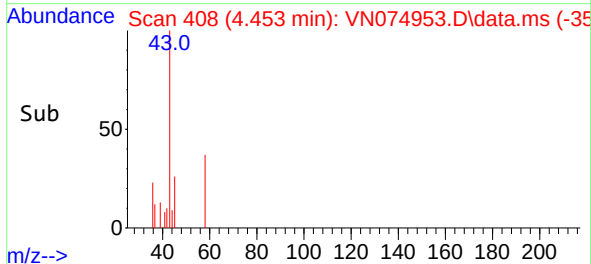
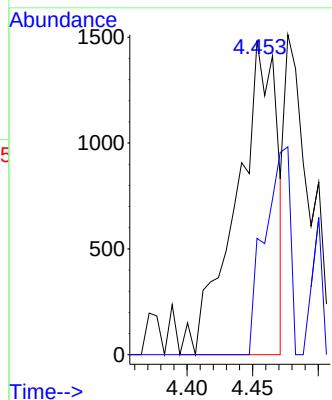
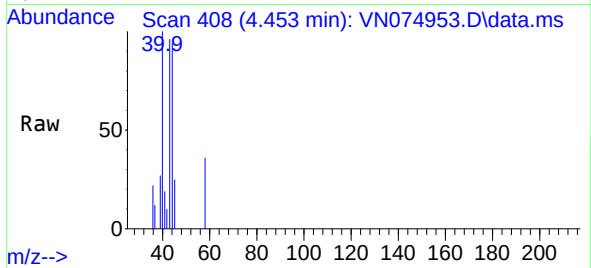




#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

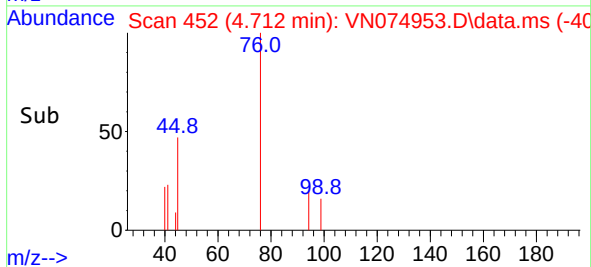
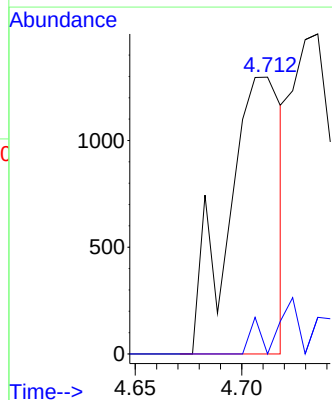
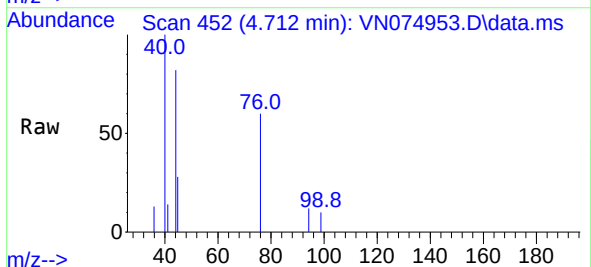
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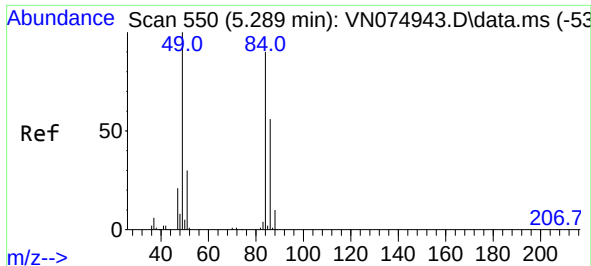
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
58 37.1 25.7 38.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.712 min Scan# 452
Delta R.T. -0.006 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 76 Resp: 2272
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



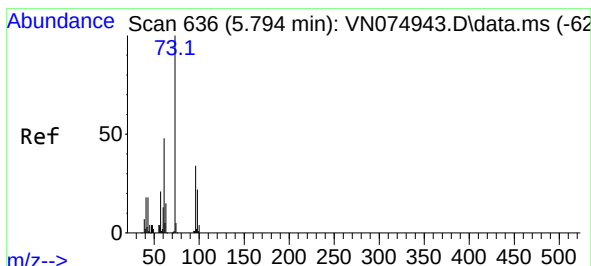
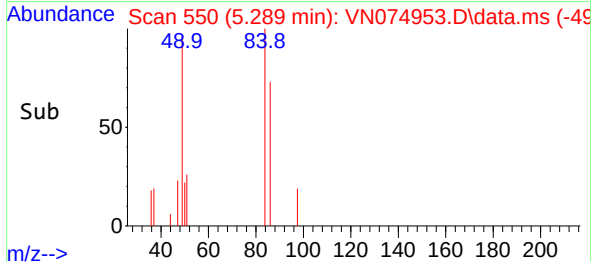
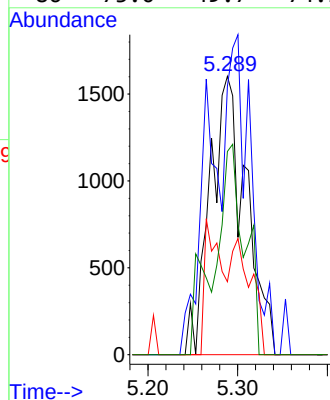
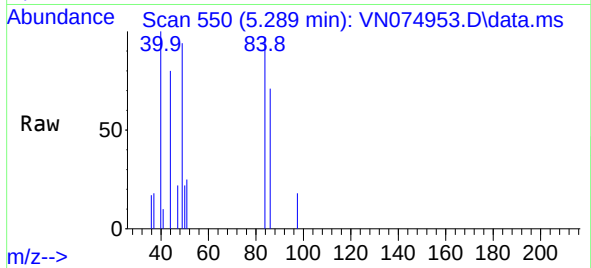


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

Tgt Ion: 84 Resp: 4463

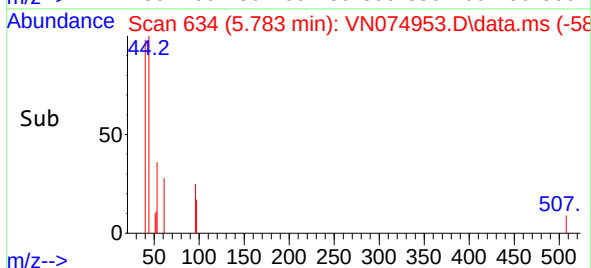
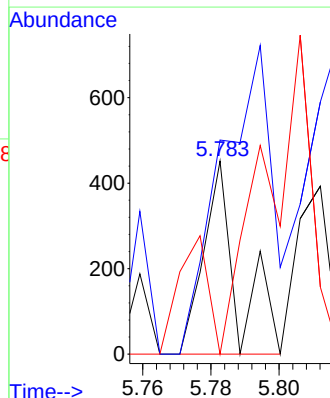
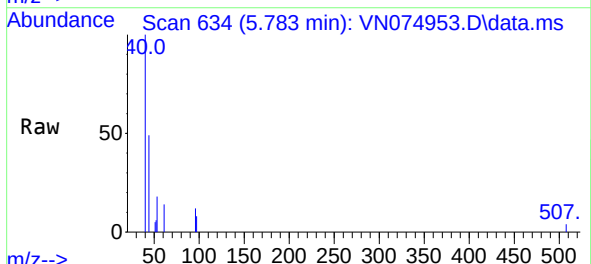
Ion	Ratio	Lower	Upper
84	100		
49	96.4	88.6	133.0
51	26.2	26.7	40.1#
86	73.0	49.7	74.5

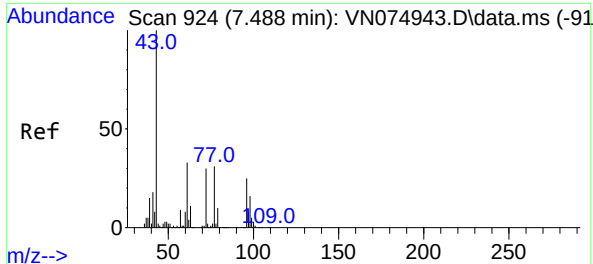


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.783 min Scan# 634
Delta R.T. -0.011 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 96 Resp: 312

Ion	Ratio	Lower	Upper
96	100		
61	110.8	112.6	169.0#
98	0.0	52.4	78.6#

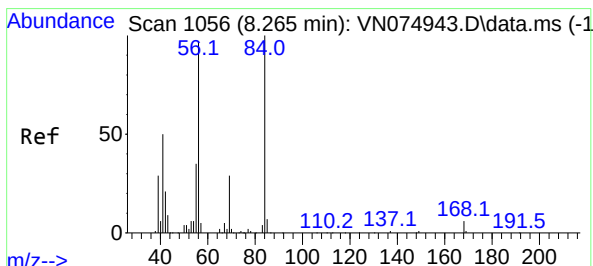
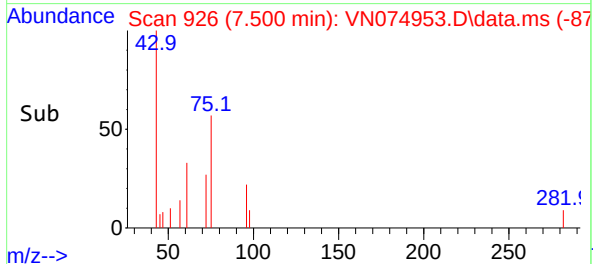
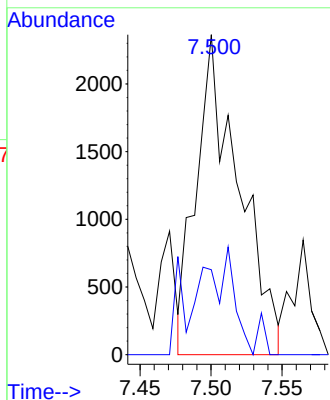
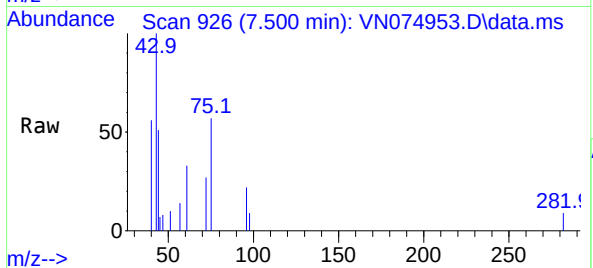




#25
2-Butanone
Concen: 0.466 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

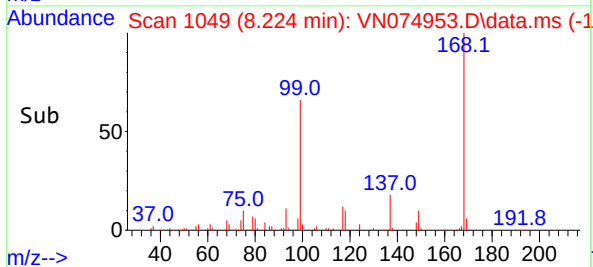
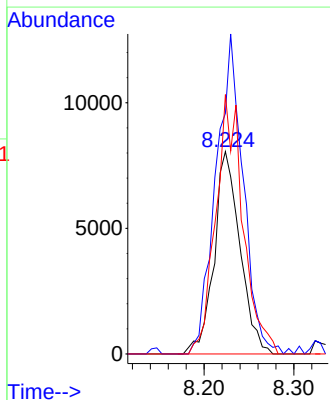
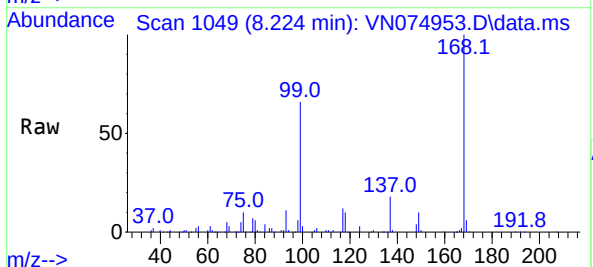
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

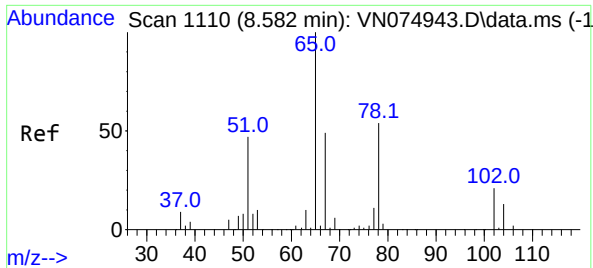
Tgt Ion: 43 Resp: 4930
Ion Ratio Lower Upper
43 100
72 29.2 23.9 35.9



#31
Cyclohexane
Concen: 0.909 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 56 Resp: 16140
Ion Ratio Lower Upper
56 100
69 118.9 24.2 36.2#
84 128.1 82.8 124.2#

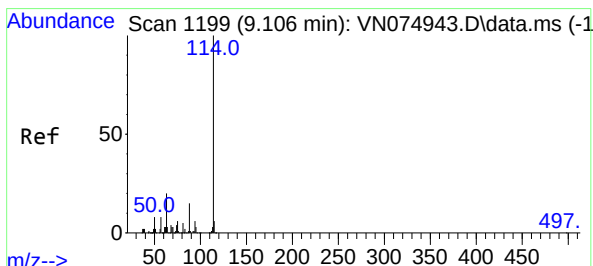
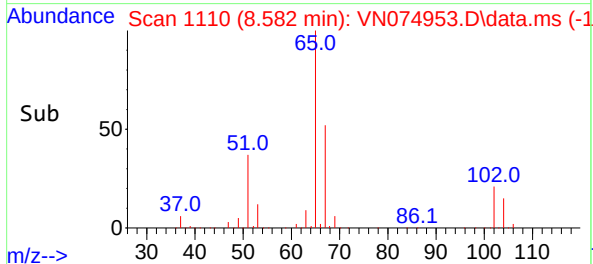
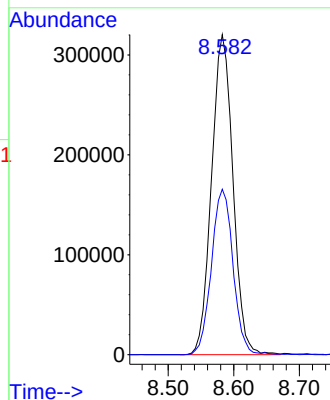
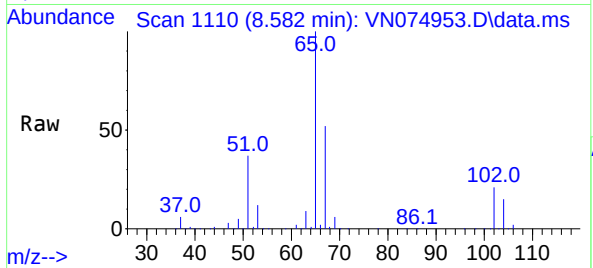




#33
 1,2-Dichloroethane-d4
 Concen: 41.702 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. -0.000 min
 Lab File: VN074953.D
 Acq: 21 Oct 2022 11:06

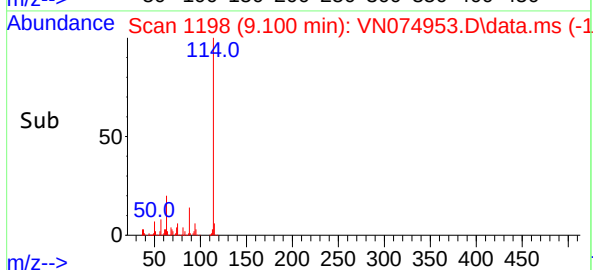
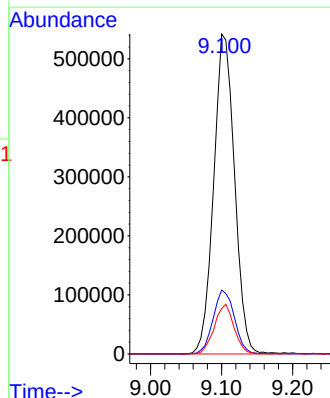
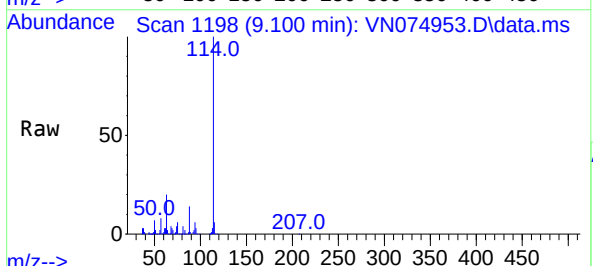
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01

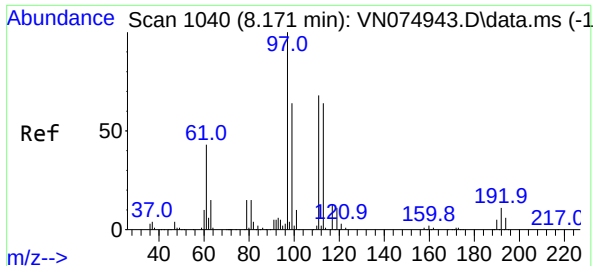
Tgt Ion: 65 Resp: 724844
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: VN074953.D
 Acq: 21 Oct 2022 11:06

Tgt Ion: 114 Resp: 1105456
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 14.1 0.0 30.4

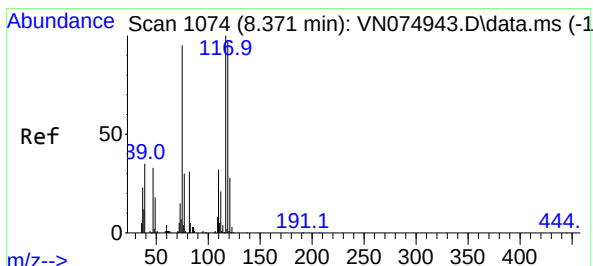
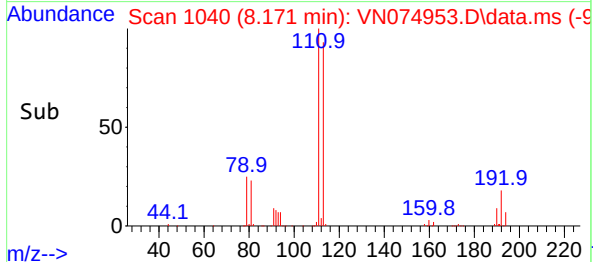
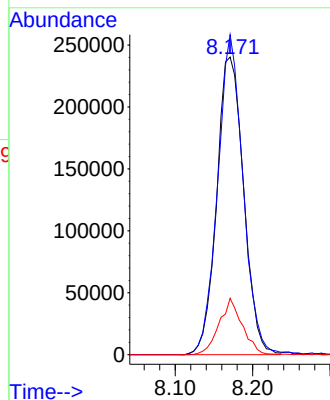
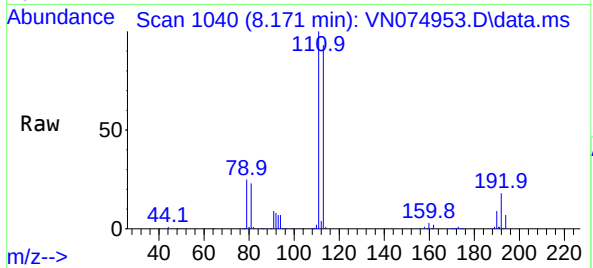




#35
Dibromofluoromethane
Concen: 44.129 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

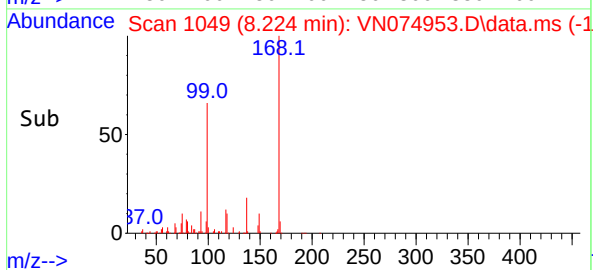
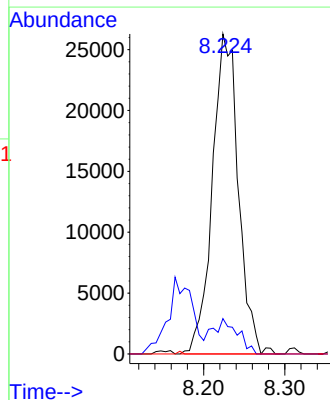
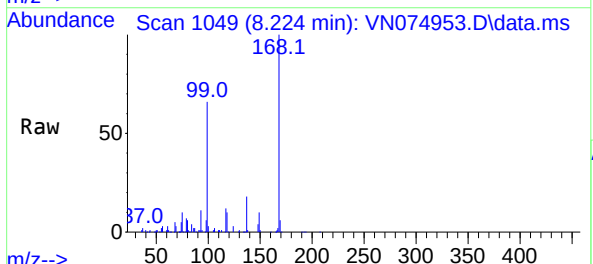
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

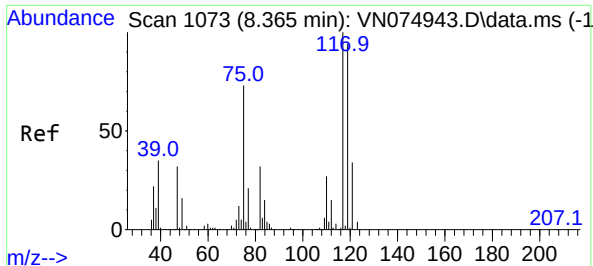
Tgt Ion:113 Resp: 580637
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 3.524 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 75 Resp: 58398
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.0 25.0 37.4#

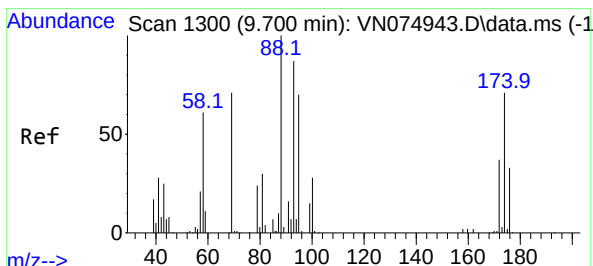
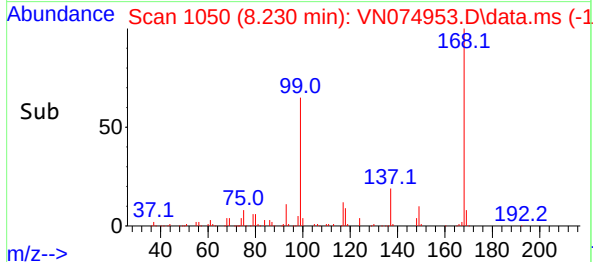
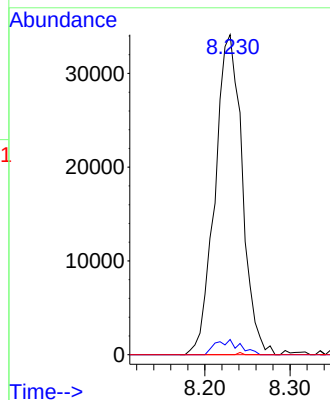
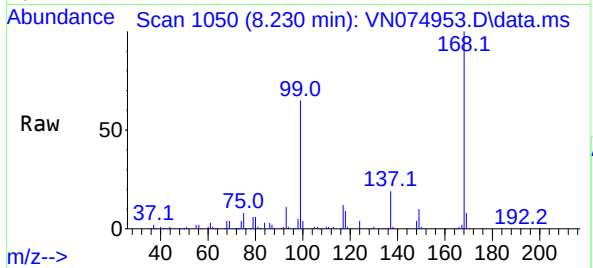




#38
Carbon Tetrachloride
Concen: 4.190 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

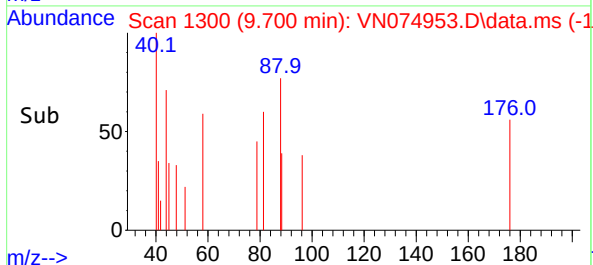
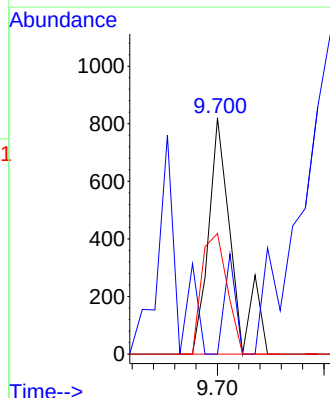
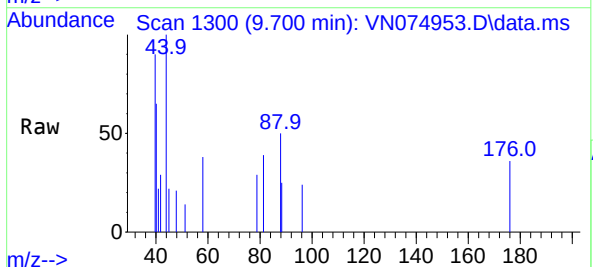
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

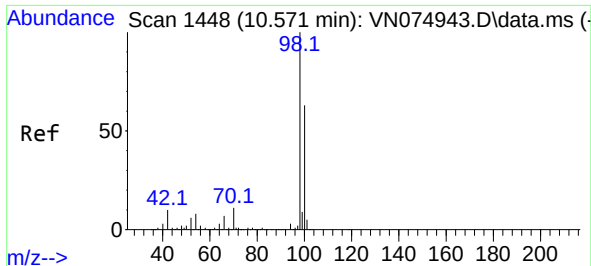
Tgt Ion:117 Resp: 75586
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 27.0 40.6#



#49
1,4-Dioxane
Concen: 1.649 ug/l
RT: 9.700 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 88 Resp: 631
Ion Ratio Lower Upper
88 100
43 19.5 21.1 31.7#
58 54.7 49.8 74.8

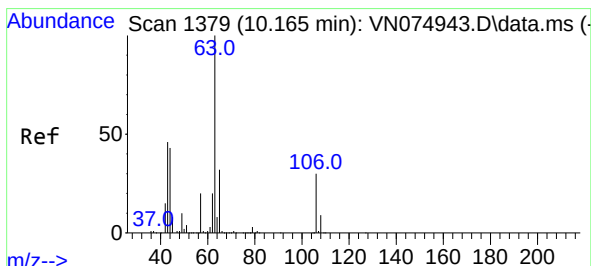
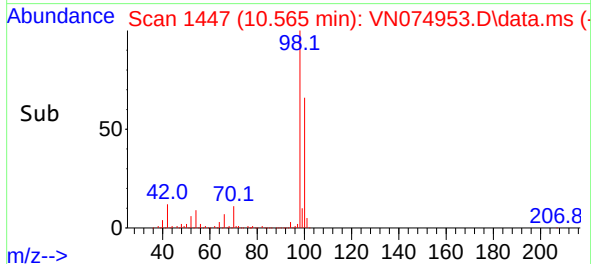
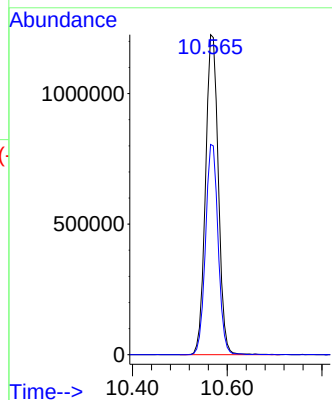
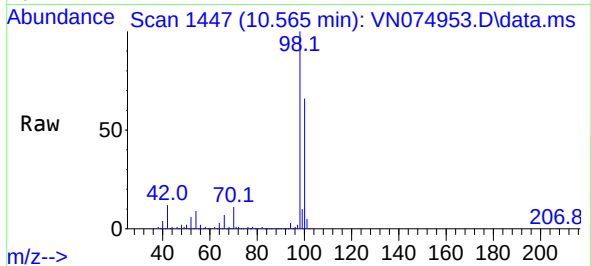




#50
Toluene-d8
Concen: 45.445 ug/l
RT: 10.565 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

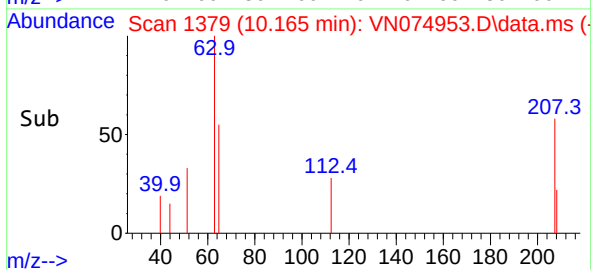
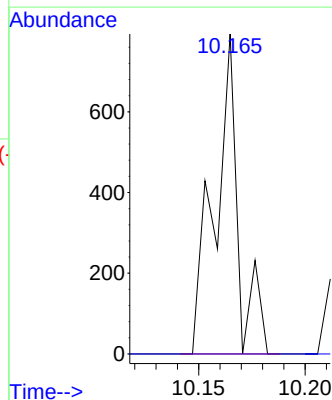
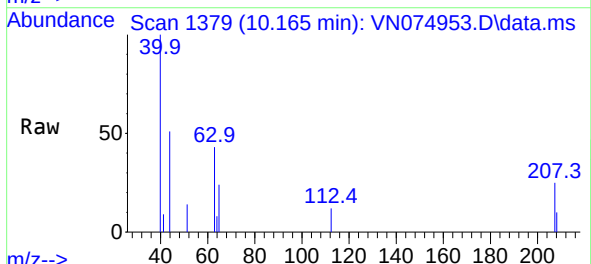
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

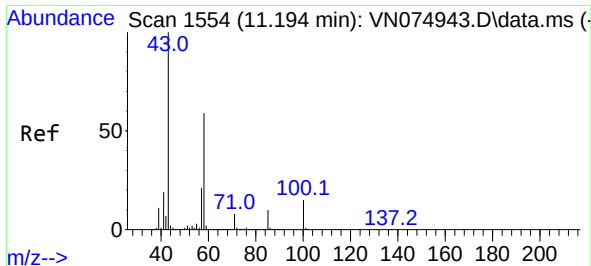
Tgt Ion: 98 Resp: 2294228
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#58
2-Chloroethyl Vinyl ether
Concen: 3.672 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 63 Resp: 605
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#

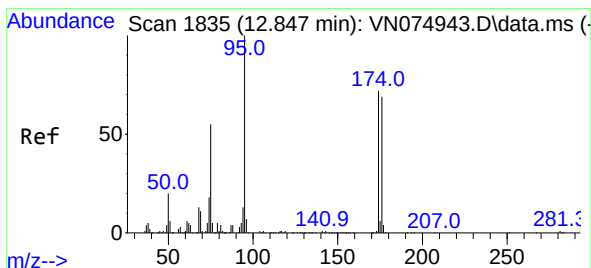
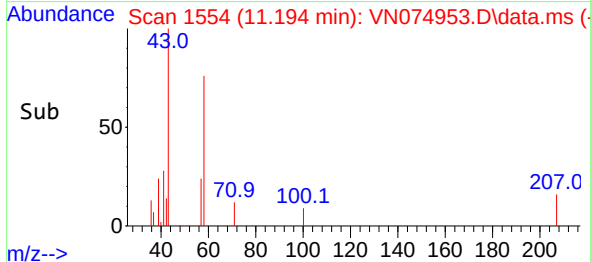
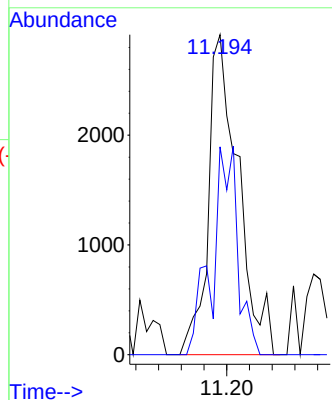
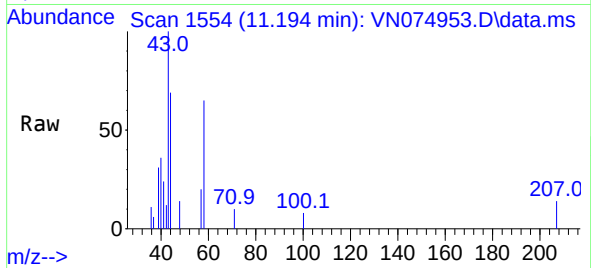




#59
2-Hexanone
Concen: 0.351 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

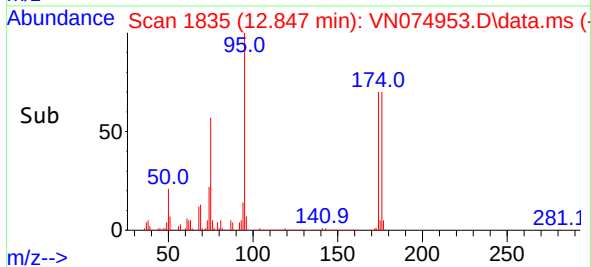
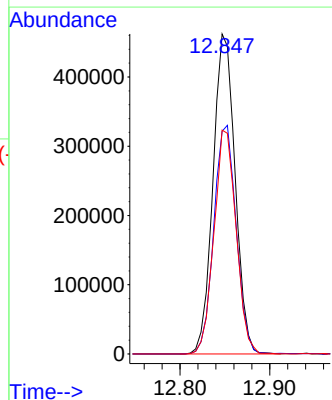
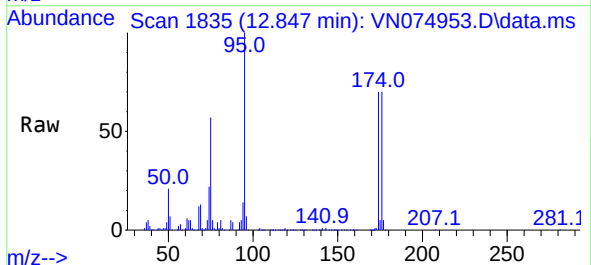
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

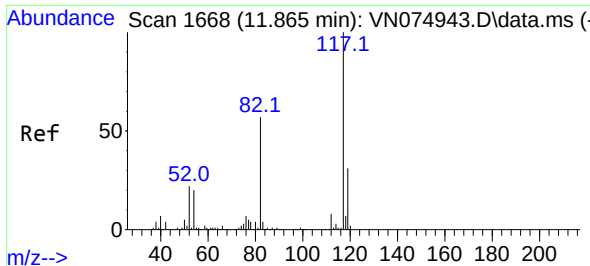
Tgt Ion: 43 Resp: 5336
Ion Ratio Lower Upper
43 100
58 55.9 29.5 88.5



#62
4-Bromofluorobenzene
Concen: 44.363 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 95 Resp: 789993
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.0
176 70.0 0.0 138.2

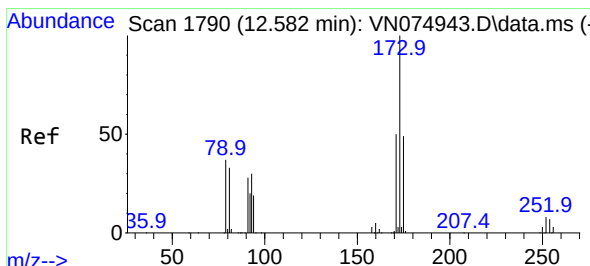
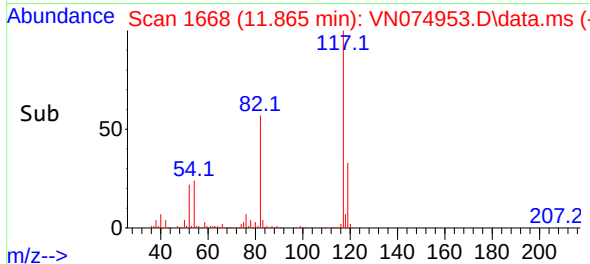
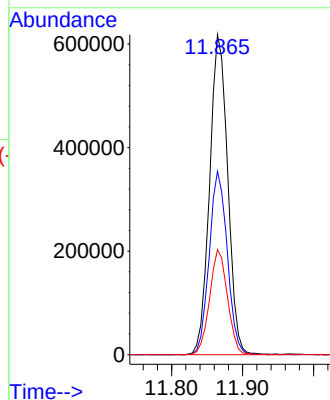
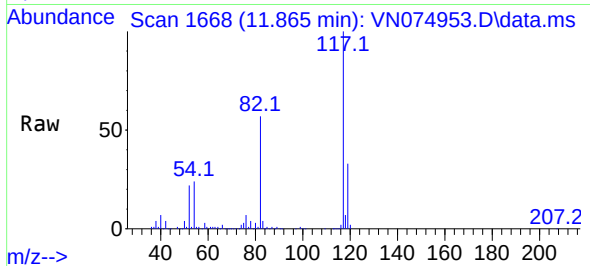




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

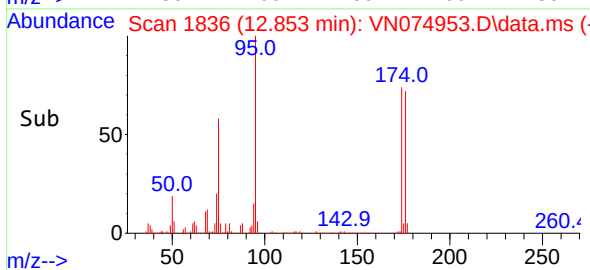
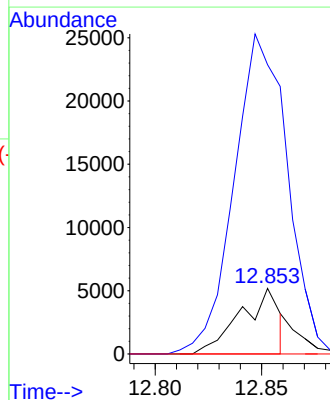
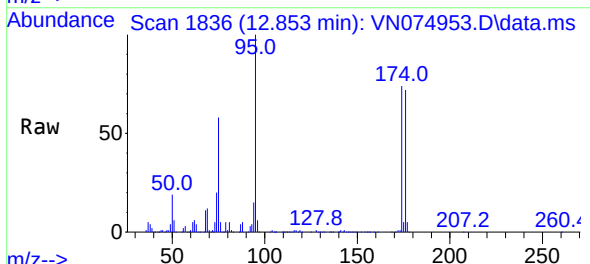
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

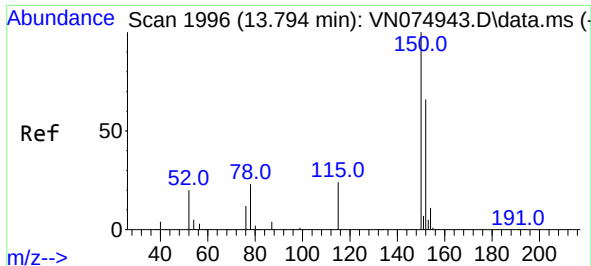
Tgt Ion:117 Resp: 1093352
Ion Ratio Lower Upper
117 100
82 57.3 45.6 68.4
119 32.8 25.1 37.7



#71
Bromoform
Concen: 0.709 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion:173 Resp: 6669
Ion Ratio Lower Upper
173 100
175 568.8 24.8 74.3#
254 0.0 0.1 0.1#

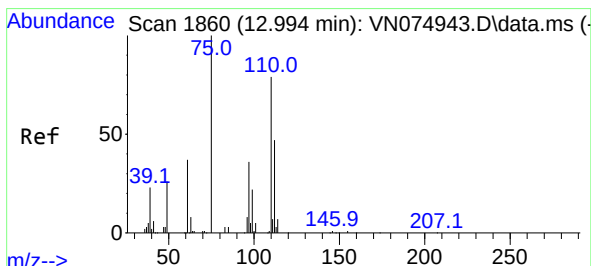
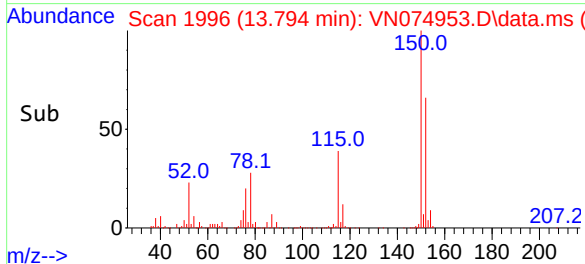
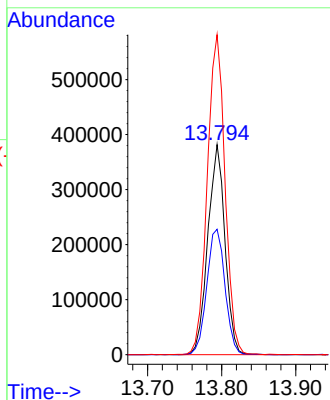
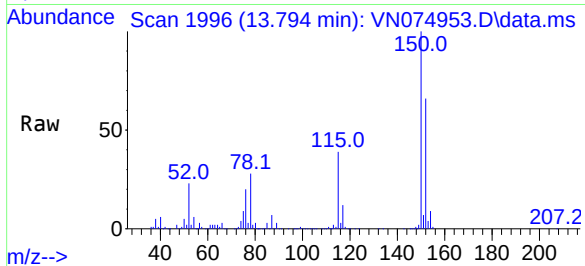




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

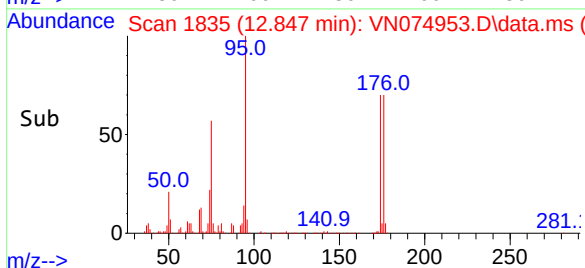
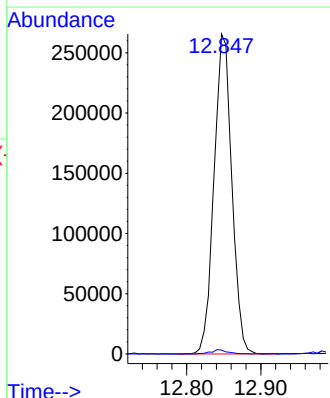
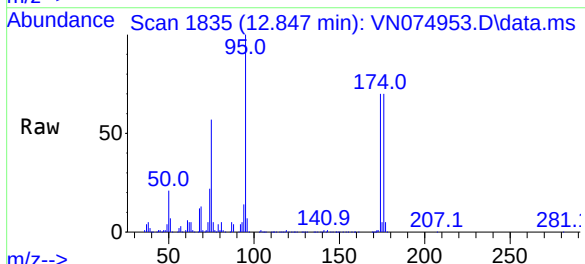
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

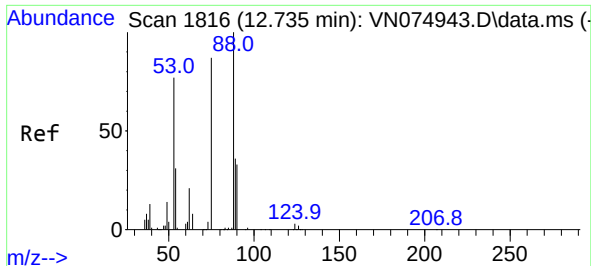
Tgt Ion:152 Resp: 613839
Ion Ratio Lower Upper
152 100
115 63.6 31.3 93.8
150 157.2 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 26.611 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 75 Resp: 442985
Ion Ratio Lower Upper
75 100
77 1.3 81.0 243.0#

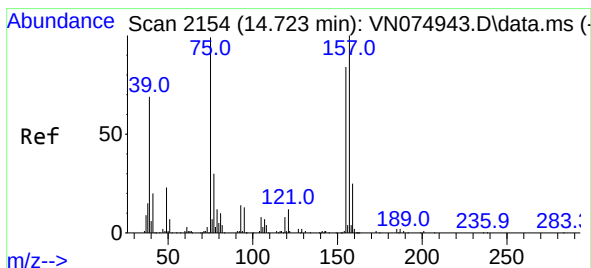
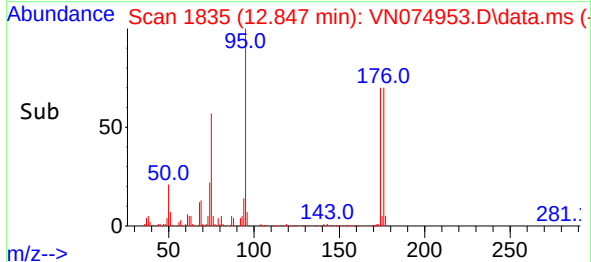
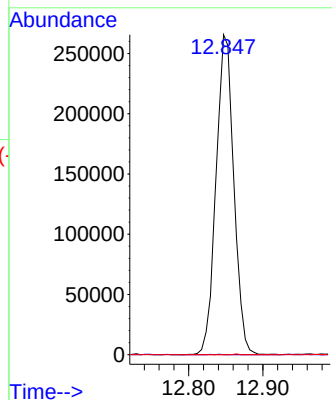
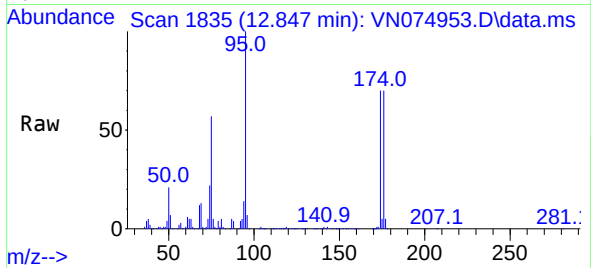




#81
trans-1,4-Dichloro-2-butene
Concen: 85.321 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

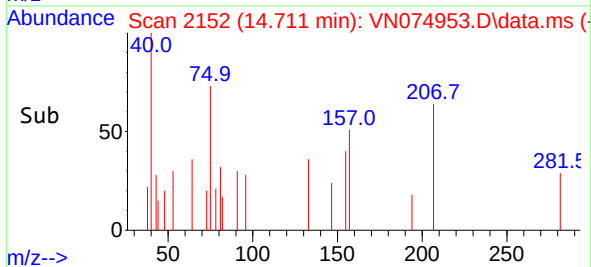
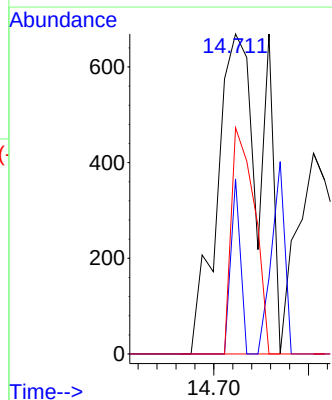
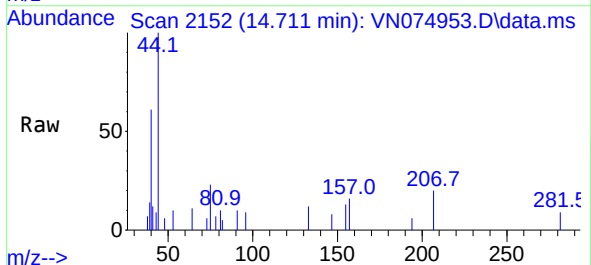
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

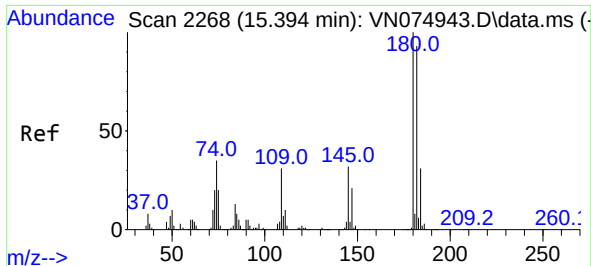
Tgt Ion: 75 Resp: 442985
Ion Ratio Lower Upper
75 100
53 0.1 79.2 118.8#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.284 ug/l
RT: 14.711 min Scan# 2152
Delta R.T. -0.012 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

Tgt Ion: 75 Resp: 1105
Ion Ratio Lower Upper
75 100
155 11.7 39.6 118.8#
157 36.6 47.8 143.4#

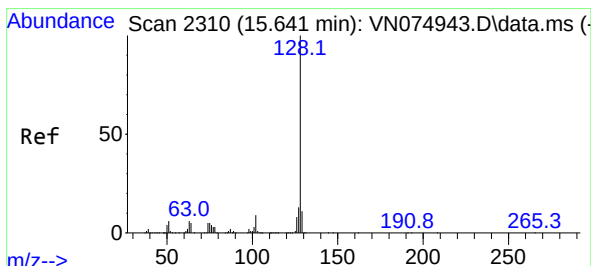
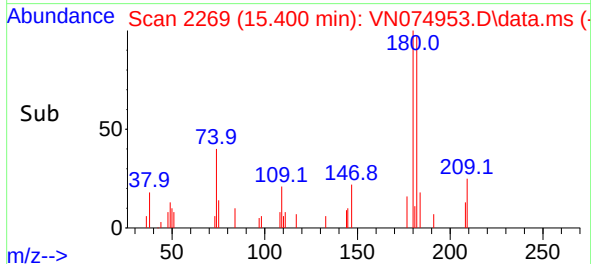
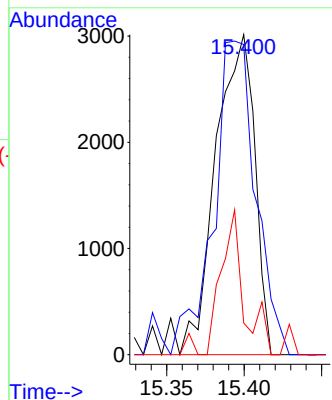
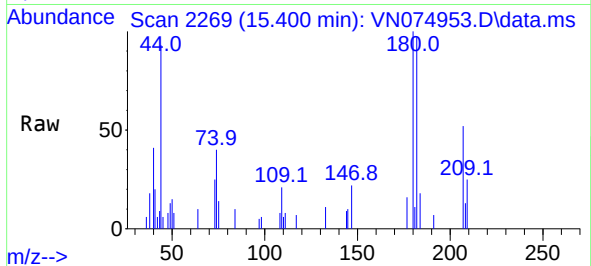




#93
1,2,4-Trichlorobenzene
Concen: 0.535 ug/l
RT: 15.400 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

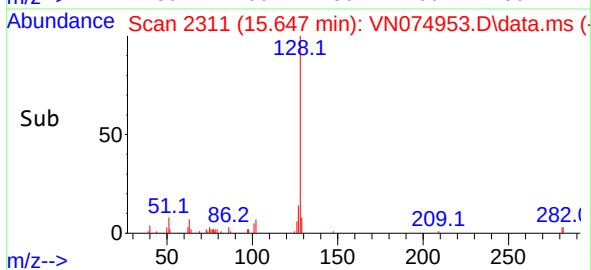
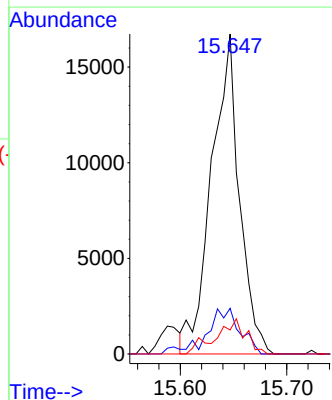
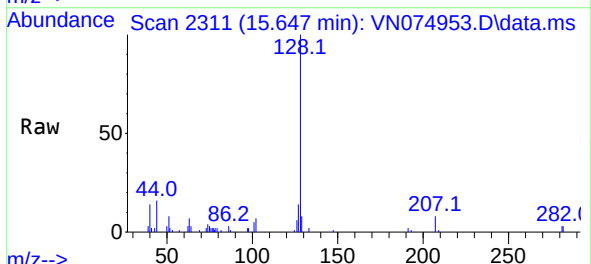
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

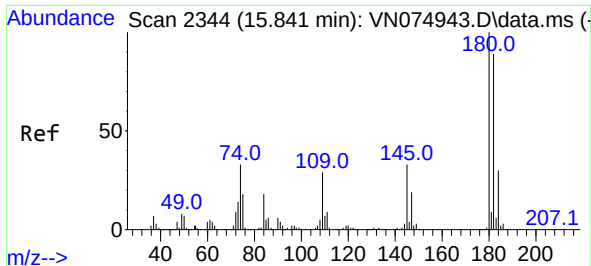
Tgt Ion:180 Resp: 5249
Ion Ratio Lower Upper
180 100
182 106.3 46.6 139.7
145 27.7 16.7 50.0



#95
Naphthalene
Concen: 0.815 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074953.D
Acq: 21 Oct 2022 11:06

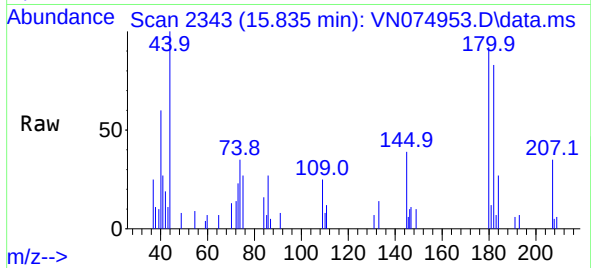
Tgt Ion:128 Resp: 30401
Ion Ratio Lower Upper
128 100
127 17.0 10.4 15.6#
129 11.8 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.718 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074953.D
 Acq: 21 Oct 2022 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01



Tgt Ion:	180	Resp:	7092
Ion	Ratio	Lower	Upper
180	100		
182	82.2	46.7	140.1
145	38.9	17.2	51.5

