

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074832.D
 Acq On : 10 Oct 2022 15:24
 Operator : JC\MD
 Sample : N5009-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:24:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.241	168	364265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	632441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	634004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	308905	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	417023	48.317	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.640%
35) Dibromofluoromethane	8.177	113	321912	50.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.760%
50) Toluene-d8	10.571	98	1378064	50.261	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.847	95	363176	43.574	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.140%

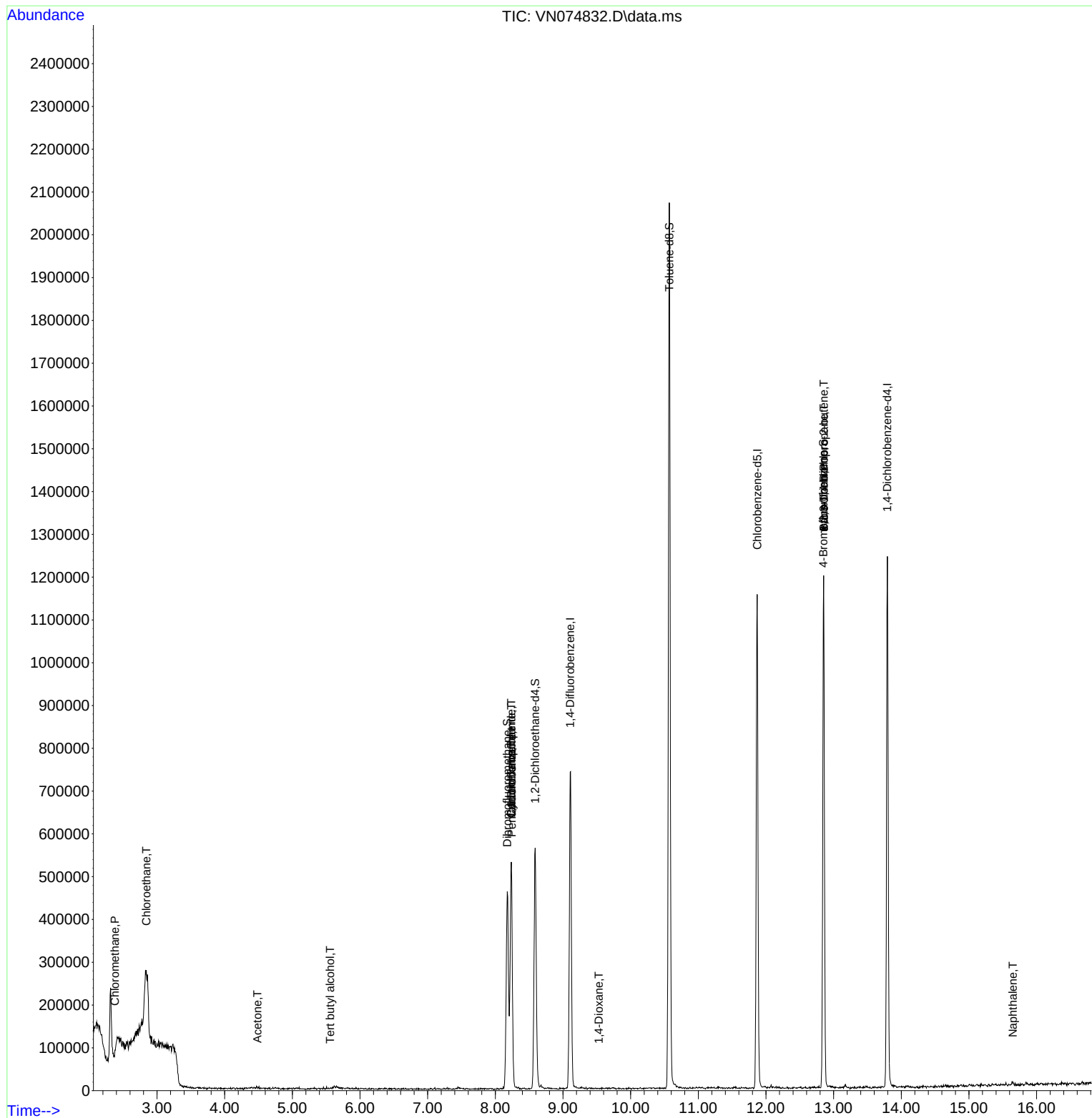
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	2319	0.209	ug/l #	63
6) Chloroethane	2.842	64	194382	19.100	ug/l #	51
11) Tert butyl alcohol	5.559	59	1438	0.497	ug/l #	74
13) Acrolein	4.230	56	270	Below Cal	#	73
16) Acetone	4.483	43	3607	0.737	ug/l #	83
20) Methylene Chloride	5.300	84	623	Below Cal	#	13
31) Cyclohexane	8.235	56	9810	0.658	ug/l #	20
36) 1,1-Dichloropropene	8.235	75	34576	3.343	ug/l #	49
38) Carbon Tetrachloride	8.235	117	39526	4.052	ug/l #	16
49) 1,4-Dioxane	9.529	88	65	0.285	ug/l #	1
71) Bromoform	12.853	173	4528	0.837	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	92	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	213865	23.196	ug/l #	1
77) Bromobenzene	12.847	156	181	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	213865	45.194	ug/l #	15
95) Naphthalene	15.647	128	6422	0.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.829	180	116	Below Cal	#	1

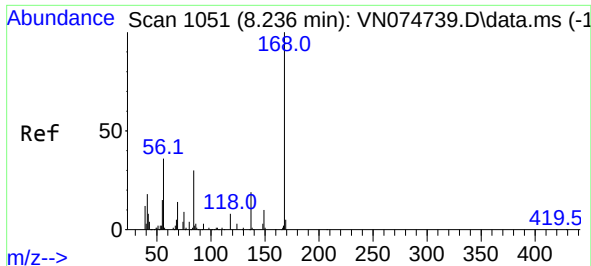
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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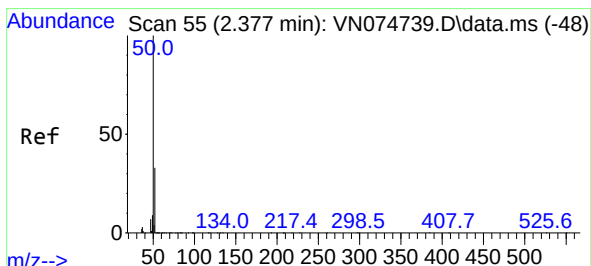
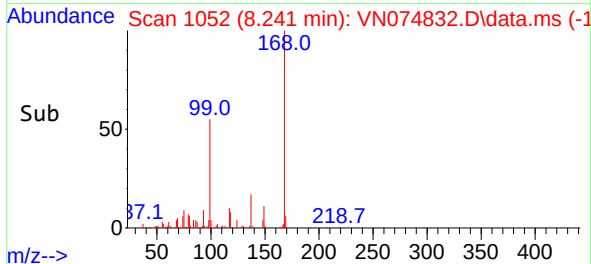
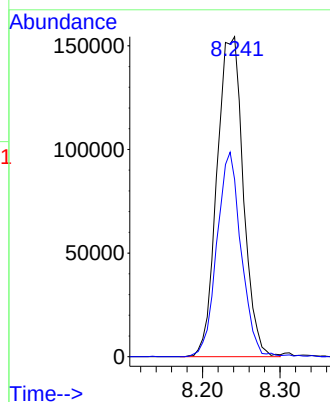
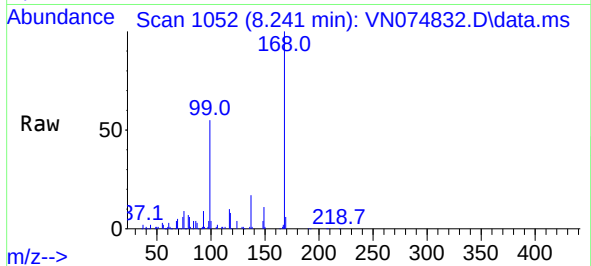




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.241 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

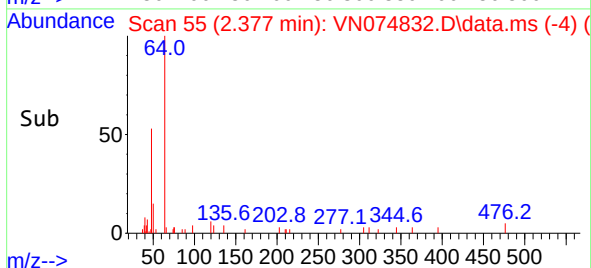
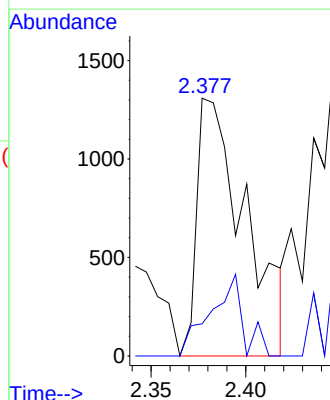
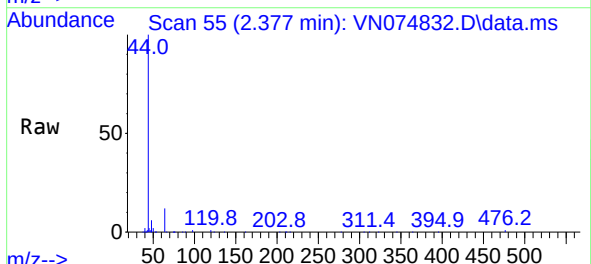
Instrument :
MSVOA_N
ClientSampleId :

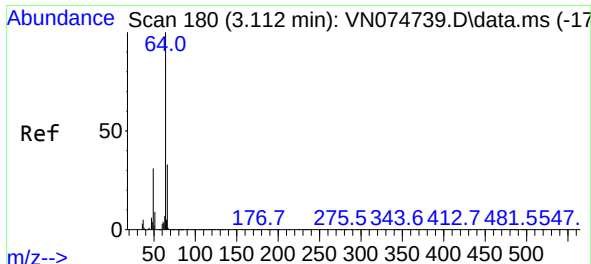
Tgt Ion:168 Resp: 364265
Ion Ratio Lower Upper
168 100
99 55.4 42.8 64.2



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.377 min Scan# 55
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Tgt Ion: 50 Resp: 2319
Ion Ratio Lower Upper
50 100
52 12.5 26.7 40.1#

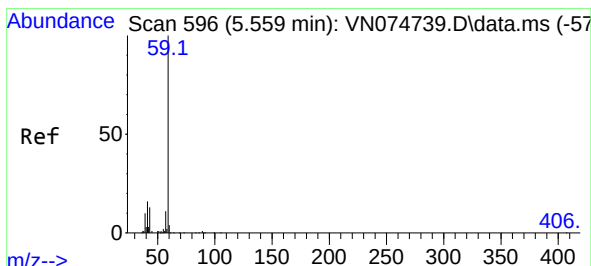
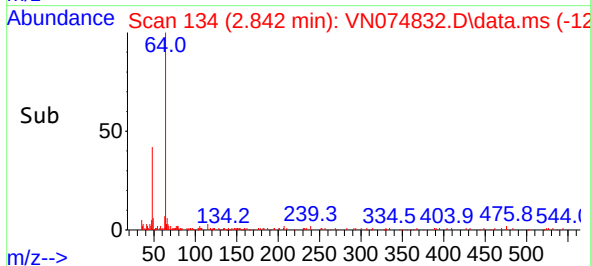
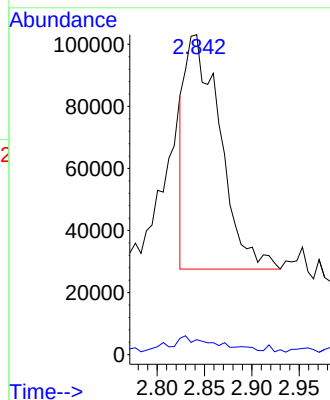
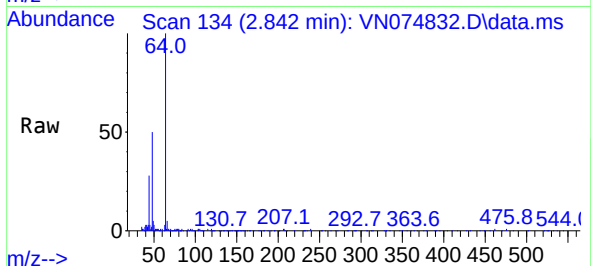




#6
Chloroethane
Concen: 19.100 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

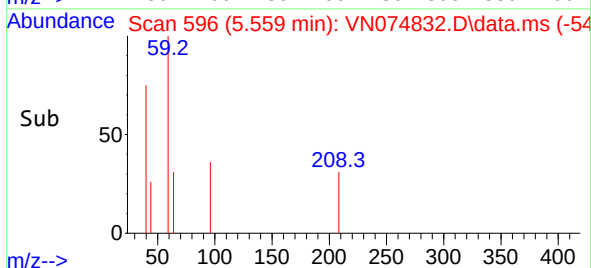
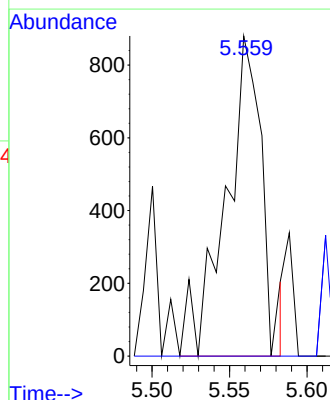
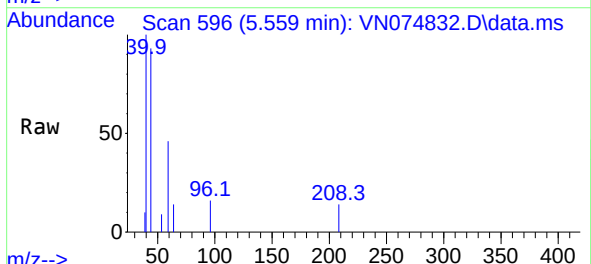
Instrument :
MSVOA_N
ClientSampleId :

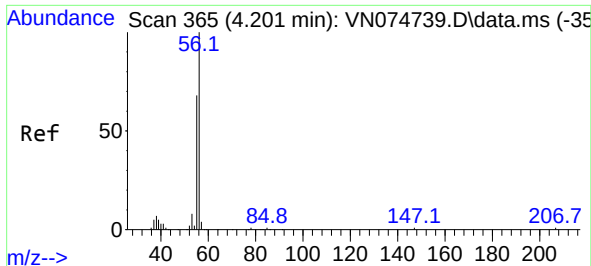
Tgt Ion: 64 Resp: 194382
Ion Ratio Lower Upper
64 100
66 4.3 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 5.559 min Scan# 596
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Tgt Ion: 59 Resp: 1438
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

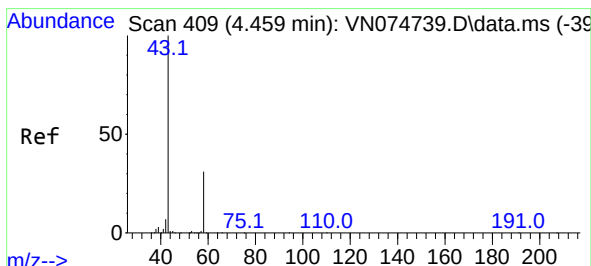
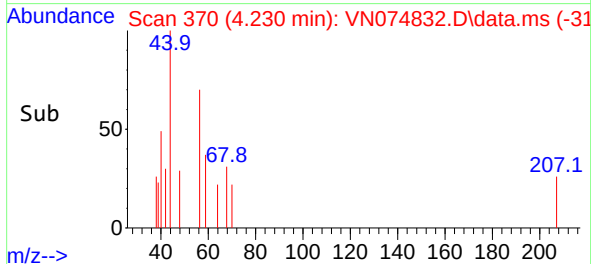
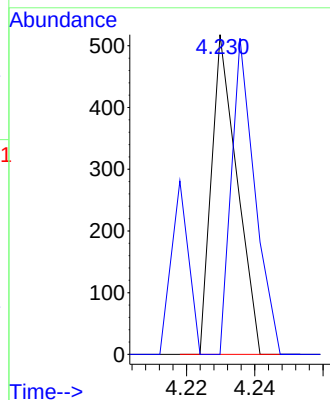
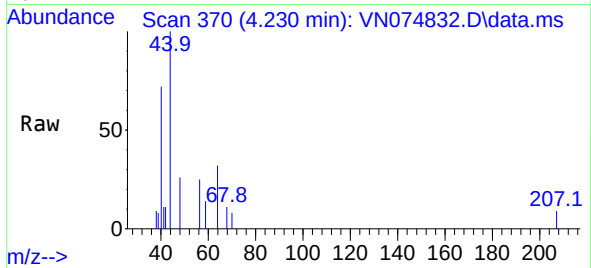




#13
Acrolein
Concen: Below Cal
RT: 4.230 min Scan# 31
Delta R.T. 0.029 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

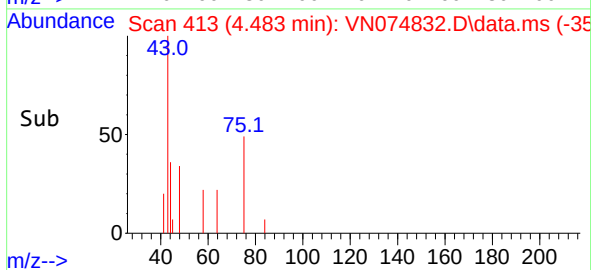
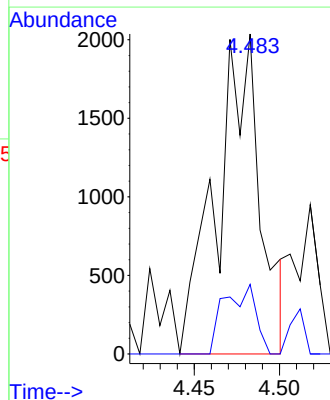
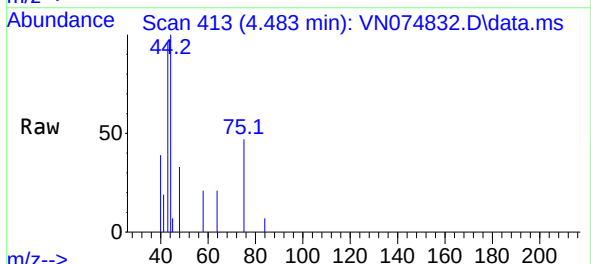
Instrument :
MSVOA_N
ClientSampleId :

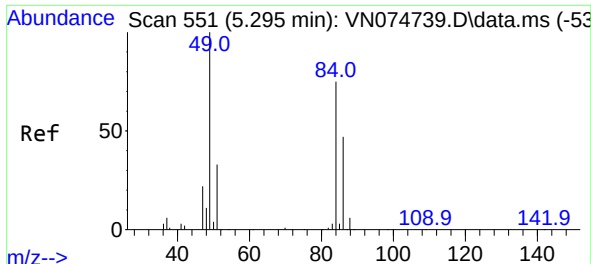
Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 90.7 54.9 82.3#



#16
Acetone
Concen: 0.737 ug/l
RT: 4.483 min Scan# 413
Delta R.T. 0.023 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

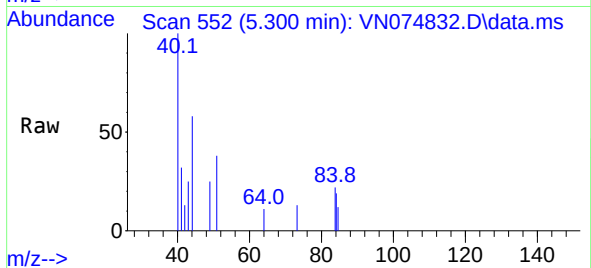
Tgt Ion: 43 Resp: 3607
Ion Ratio Lower Upper
43 100
58 21.7 24.9 37.3#



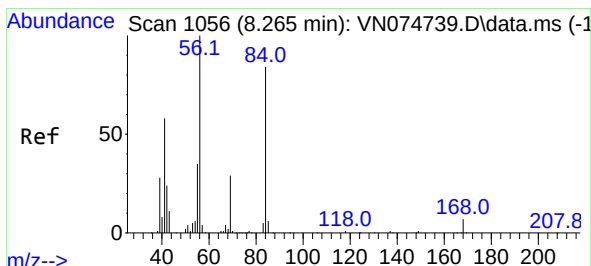
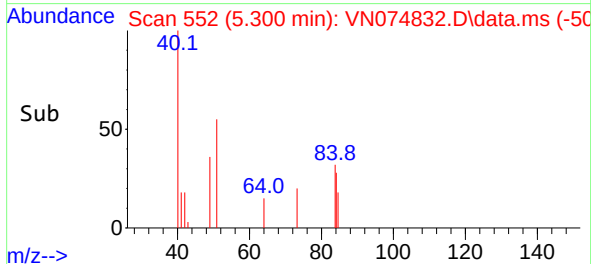
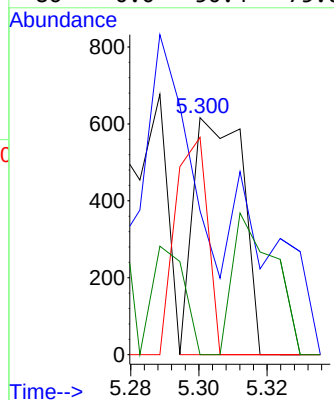


#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :

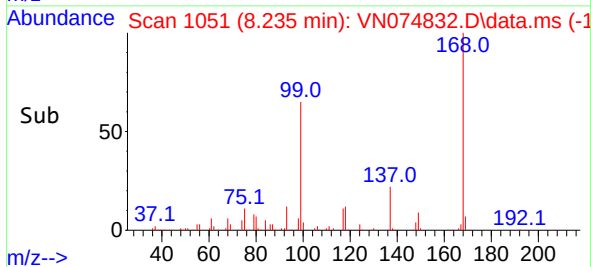
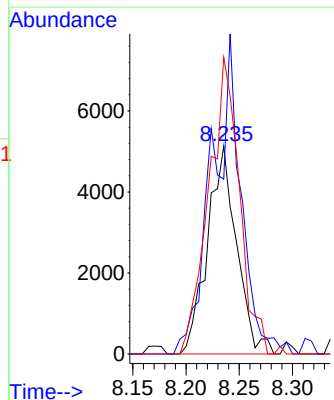
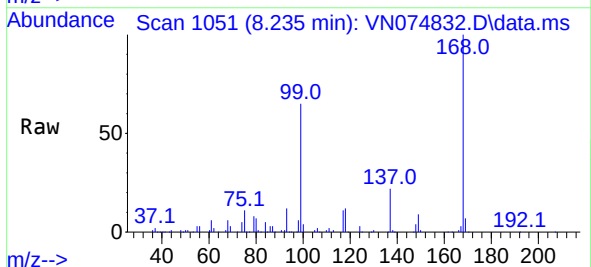


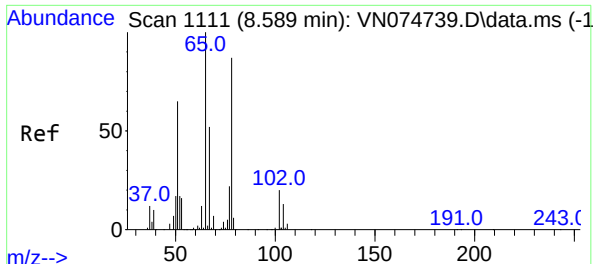
Tgt Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 9.0 107.4 161.0#
51 70.5 35.1 52.7#
86 0.0 50.4 75.6#



#31
Cyclohexane
Concen: 0.658 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Tgt Ion: 56 Resp: 9810
Ion Ratio Lower Upper
56 100
69 80.6 23.1 34.7#
84 150.9 67.1 100.7#

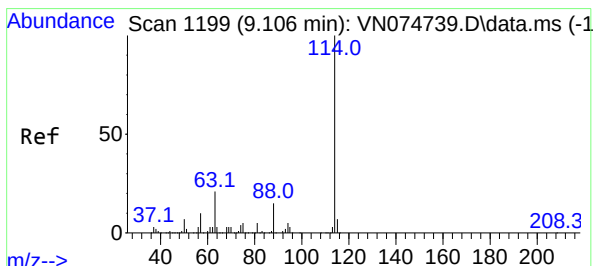
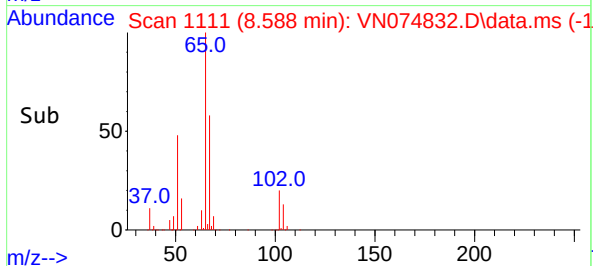
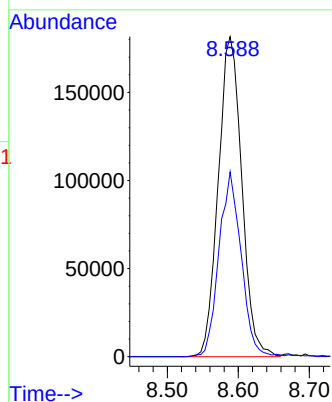
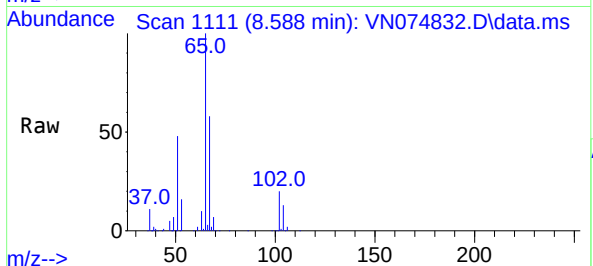




#33
1,2-Dichloroethane-d4
Concen: 48.317 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

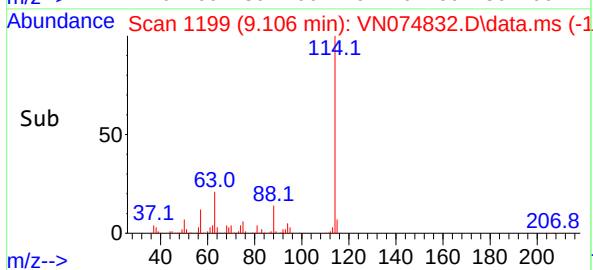
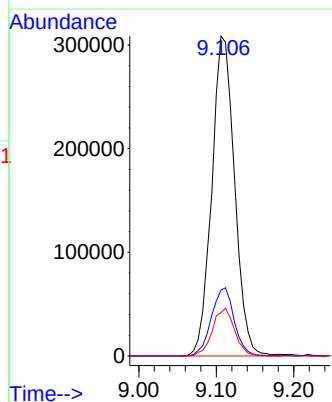
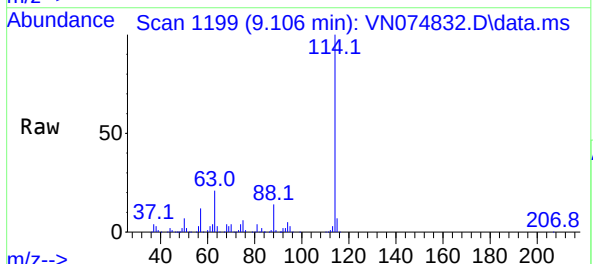
Instrument :
MSVOA_N
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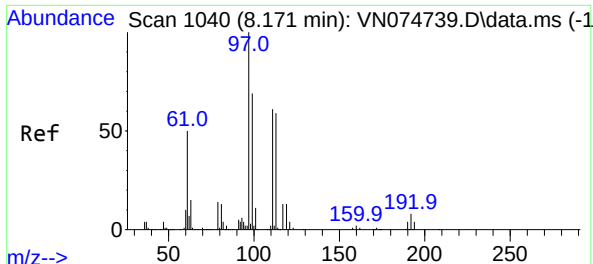
Tgt Ion: 65 Resp: 417023
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

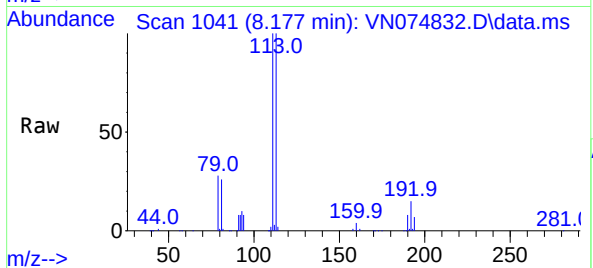
Tgt Ion: 114 Resp: 632441
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.2
88 13.5 0.0 30.2



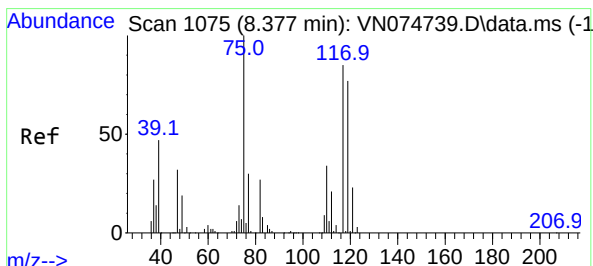
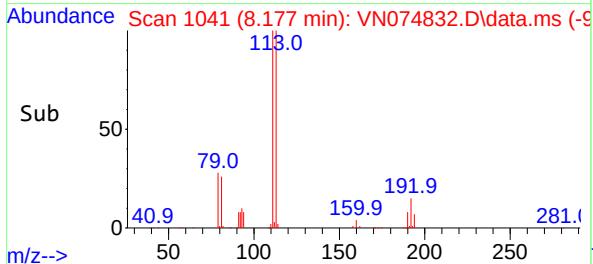
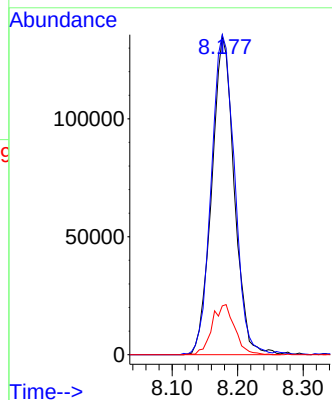


#35
Dibromofluoromethane
Concen: 50.378 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :

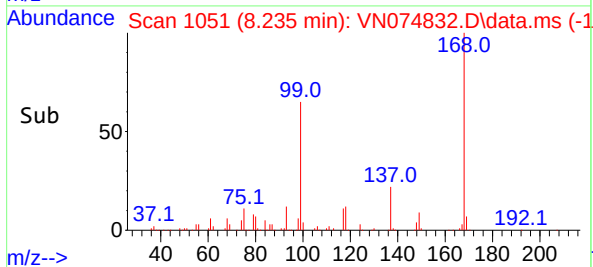
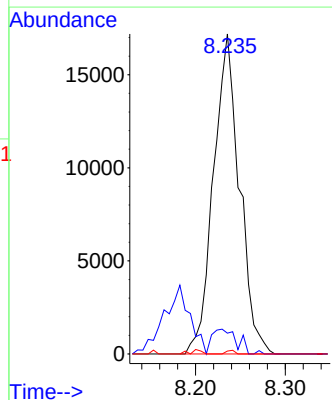
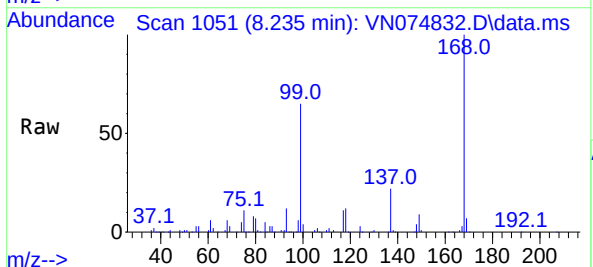


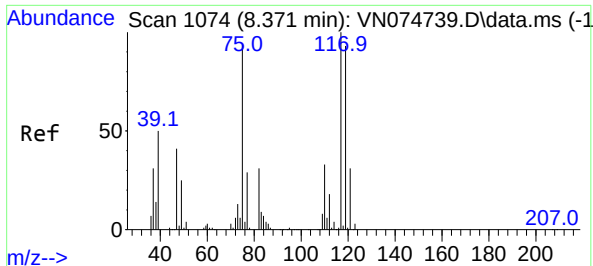
Tgt Ion:113 Resp: 321912
Ion Ratio Lower Upper
113 100
111 103.9 83.0 124.6
192 15.9 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.343 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

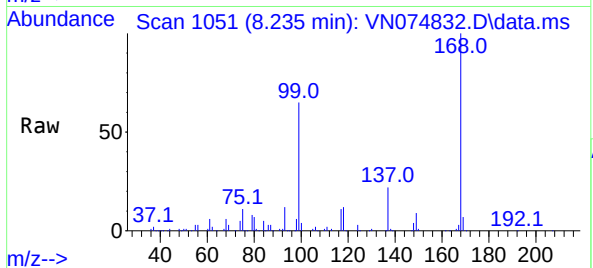
Tgt Ion: 75 Resp: 34576
Ion Ratio Lower Upper
75 100
110 7.4 17.2 51.5#
77 0.4 24.3 36.5#



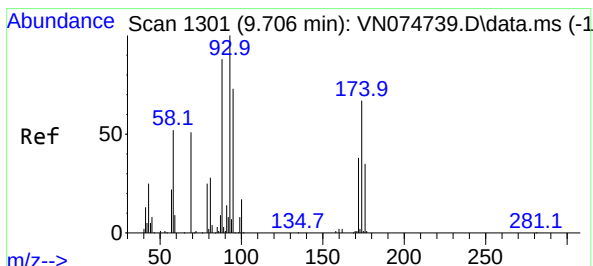
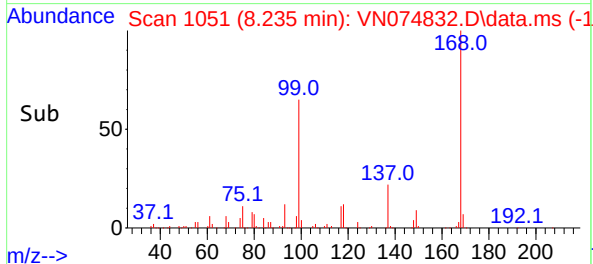
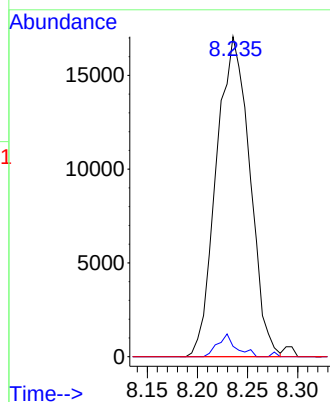


#38
Carbon Tetrachloride
Concen: 4.052 ug/l
RT: 8.235 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :

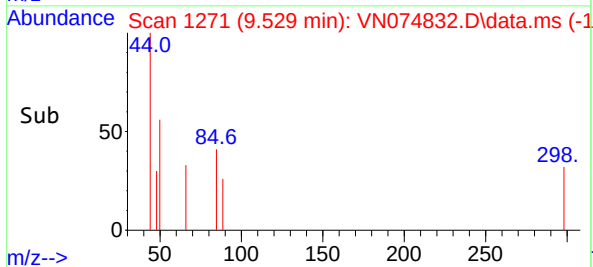
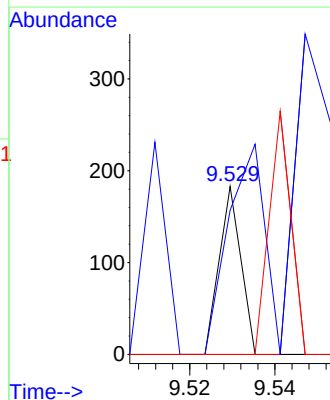
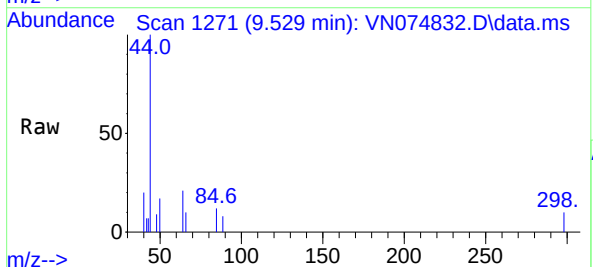


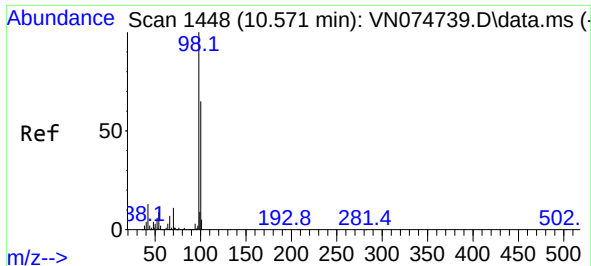
Tgt Ion:117 Resp: 39526
Ion Ratio Lower Upper
117 100
119 3.2 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.285 ug/l
RT: 9.529 min Scan# 1271
Delta R.T. -0.177 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 209.2 23.4 35.2#
58 0.0 54.9 82.3#

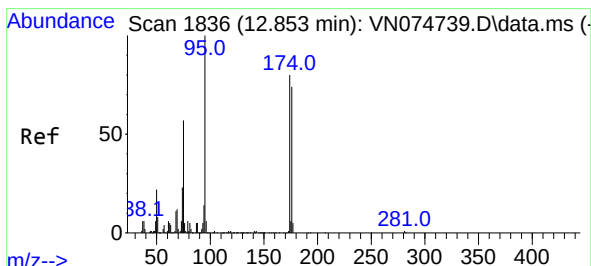
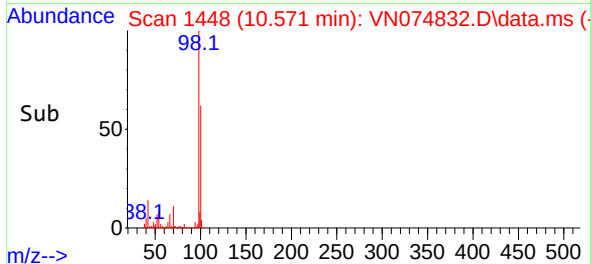
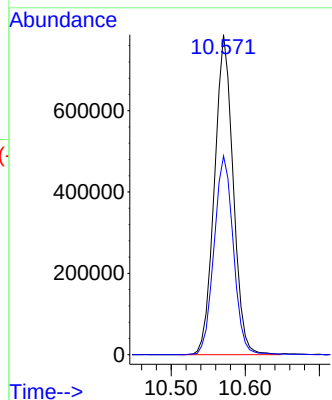
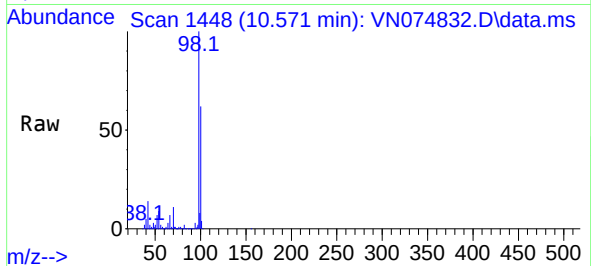




#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

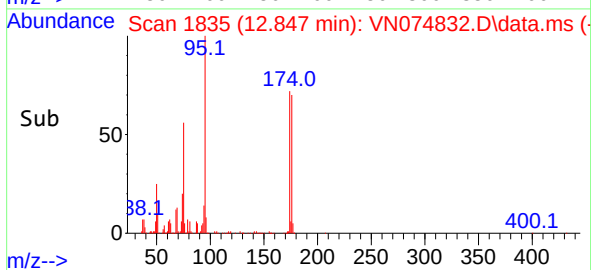
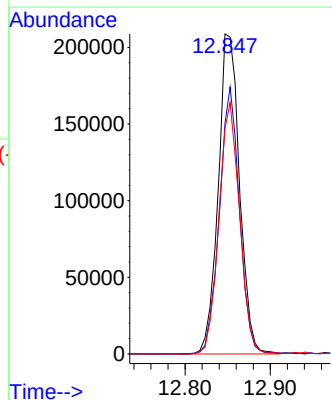
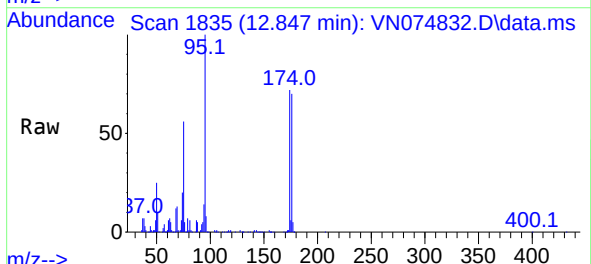
Instrument :
MSVOA_N
ClientSampleId :

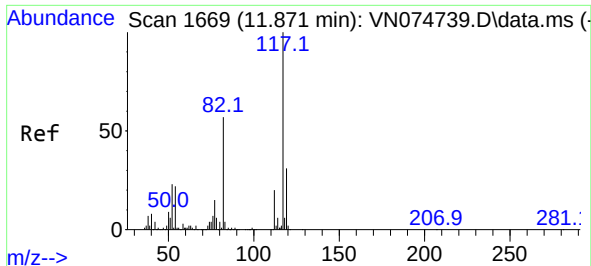
Tgt Ion: 98 Resp: 1378064
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 43.574 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

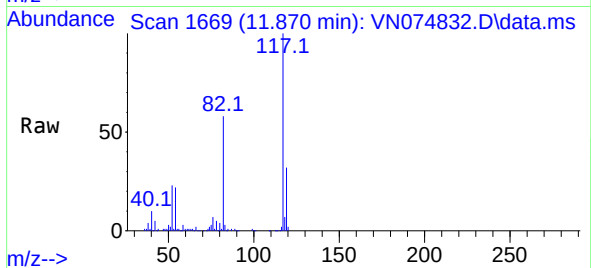
Tgt Ion: 95 Resp: 363176
Ion Ratio Lower Upper
95 100
174 78.4 0.0 149.4
176 76.0 0.0 142.0



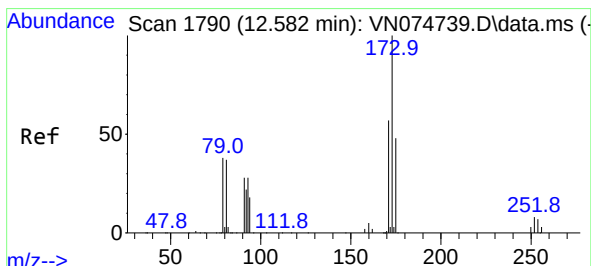
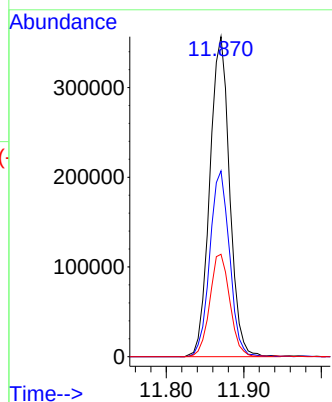
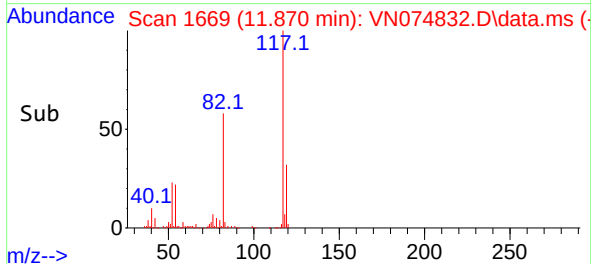


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

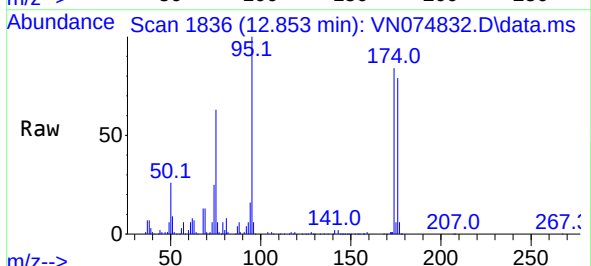
Instrument :
MSVOA_N
ClientSampleId :



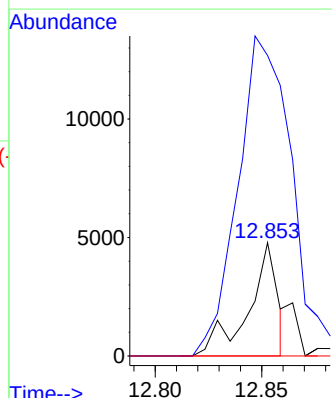
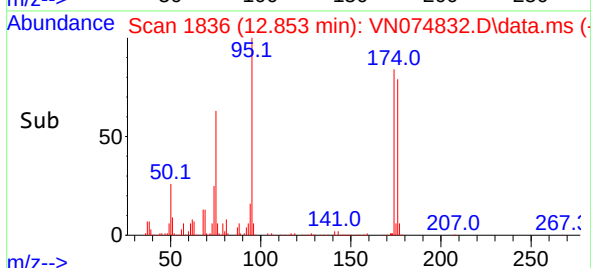
Tgt Ion:117 Resp: 634004
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 32.0 25.1 37.7

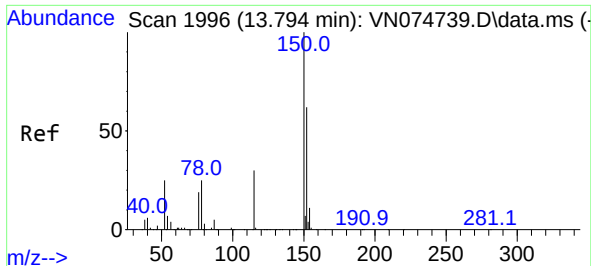


#71
Bromoform
Concen: 0.837 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24



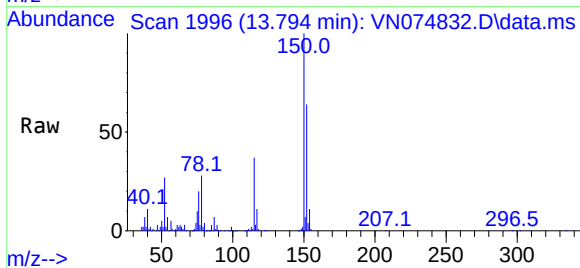
Tgt Ion:173 Resp: 4528
Ion Ratio Lower Upper
173 100
175 418.2 23.9 71.7#
254 0.0 0.1 0.1#





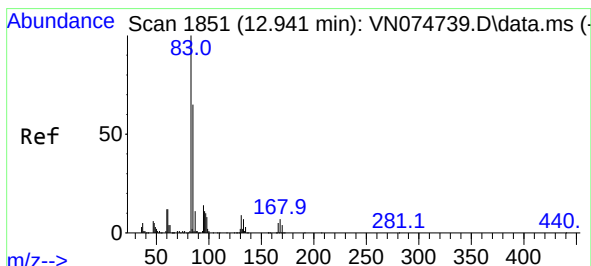
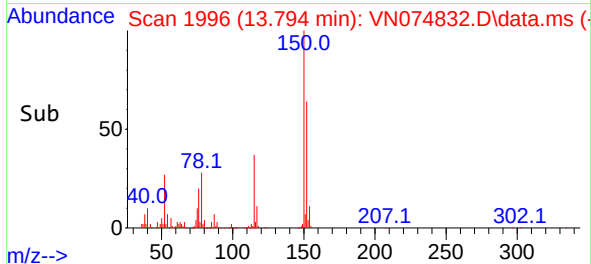
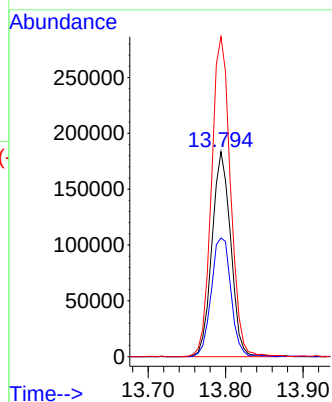
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074832.D
 Acq: 10 Oct 2022 15:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 308905

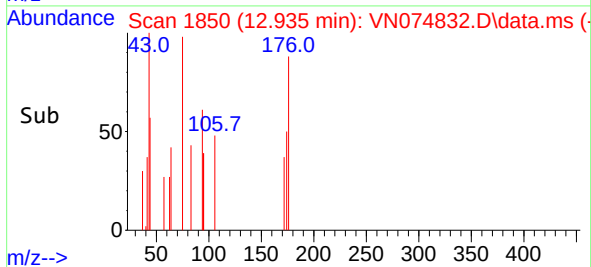
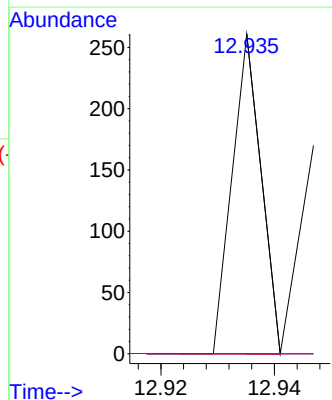
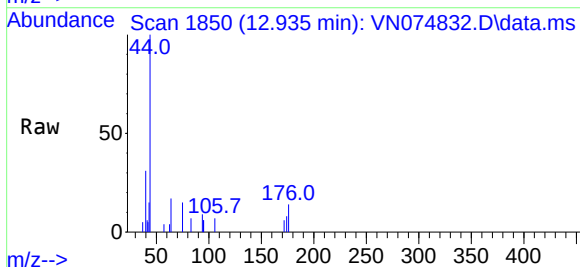
Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	158.5	0.0	356.4

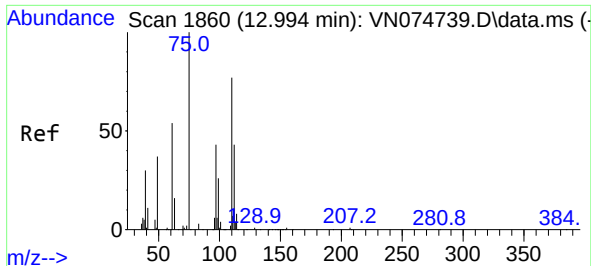


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: VN074832.D
 Acq: 10 Oct 2022 15:24

Tgt Ion: 83 Resp: 92

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	0.0	32.9	98.6#

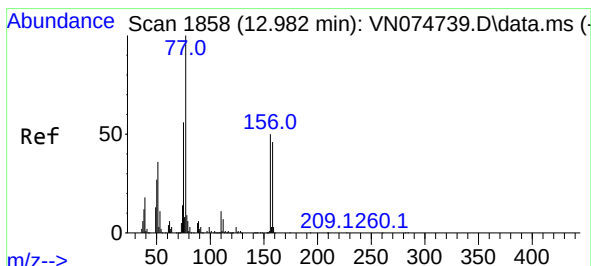
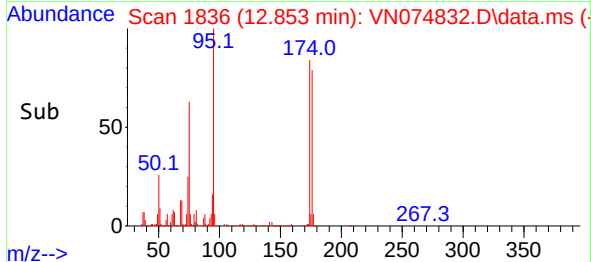
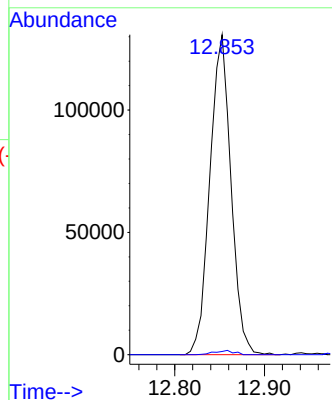
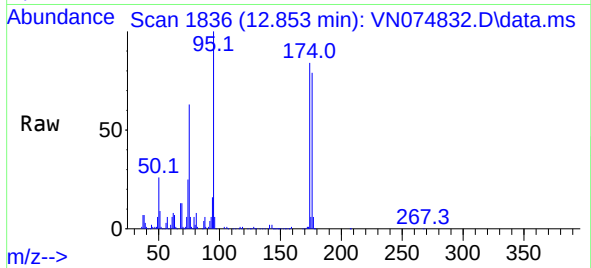




#76
1,2,3-Trichloropropane
Concen: 23.196 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

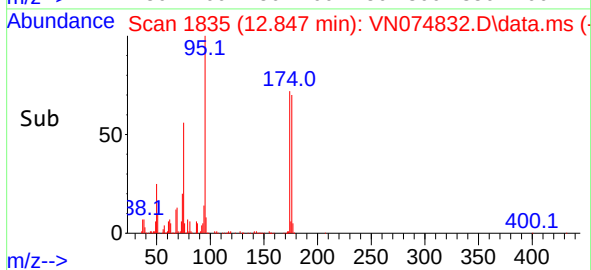
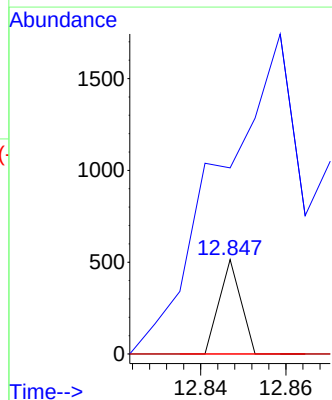
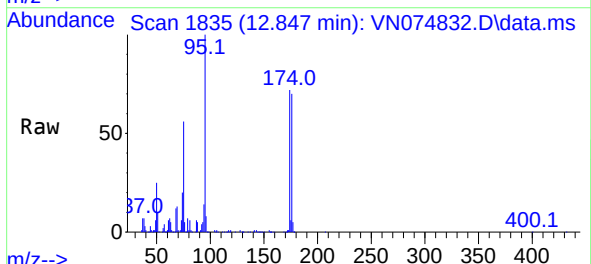
Instrument :
MSVOA_N
ClientSampleId :

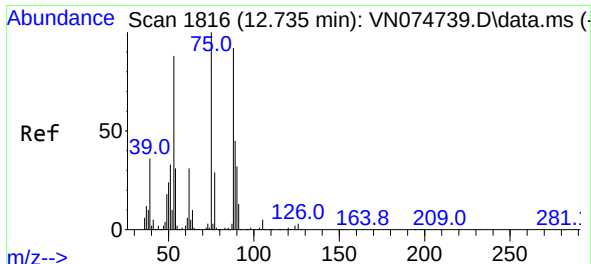
Tgt Ion: 75 Resp: 213865
Ion Ratio Lower Upper
75 100
77 1.2 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

Tgt Ion:156 Resp: 181
Ion Ratio Lower Upper
156 100
77 1440.9 124.7 374.1#
158 0.0 48.3 144.9#

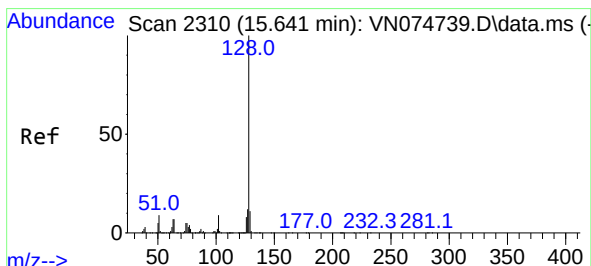
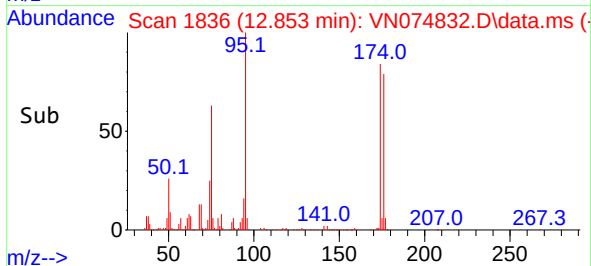
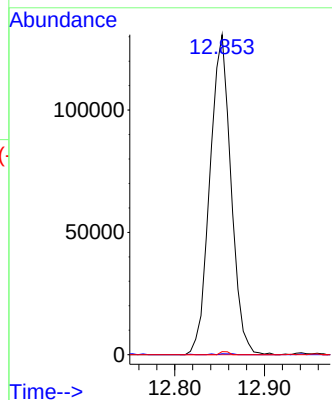
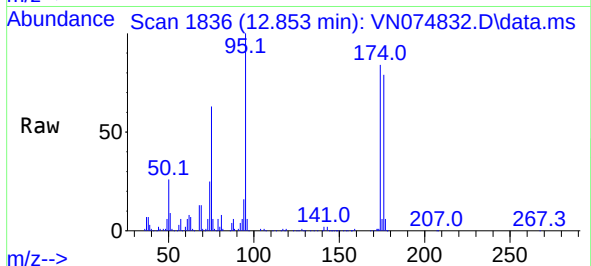




#81
trans-1,4-Dichloro-2-butene
Concen: 45.194 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

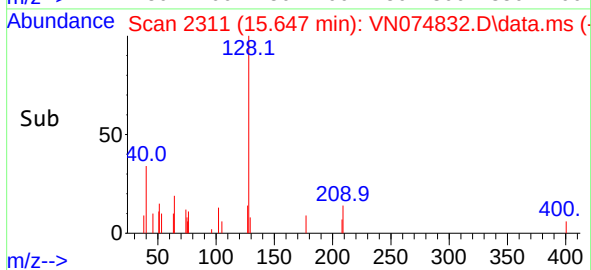
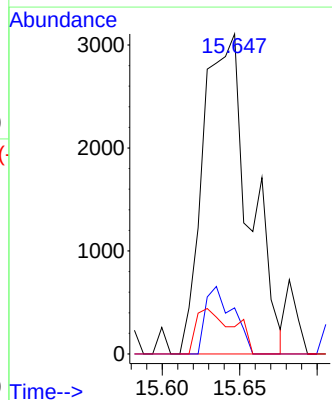
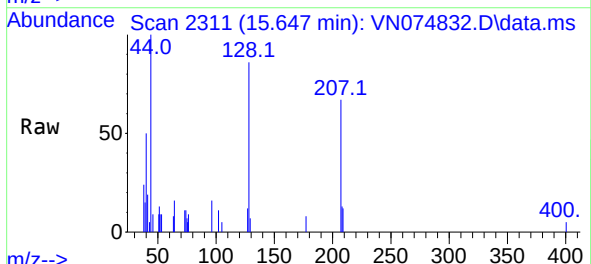
Instrument :
MSVOA_N
ClientSampleId :

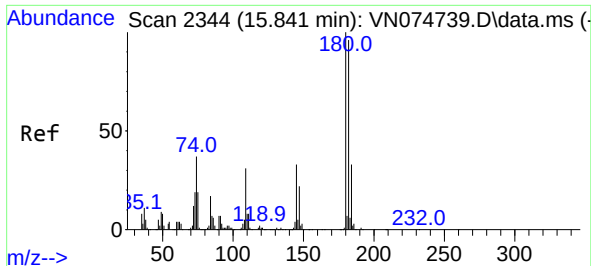
Tgt Ion: 75 Resp: 213865
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.4 32.1 48.1#



#95
Naphthalene
Concen: 0.299 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074832.D
Acq: 10 Oct 2022 15:24

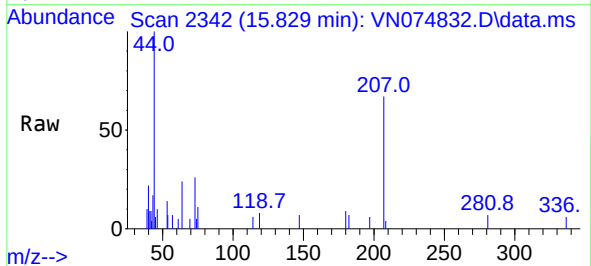
Tgt Ion:128 Resp: 6422
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.3 9.0 13.4





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.829 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN074832.D
 Acq: 10 Oct 2022 15:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 116

Ion	Ratio	Lower	Upper
180	100		
182	607.8	47.3	142.0#
145	97.4	17.1	51.2#

