

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074386.D
 Acq On : 09 Sep 2022 20:34
 Operator : JC\MD
 Sample : N4471-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12A-13-18-083122

Quant Time: Sep 10 07:26:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

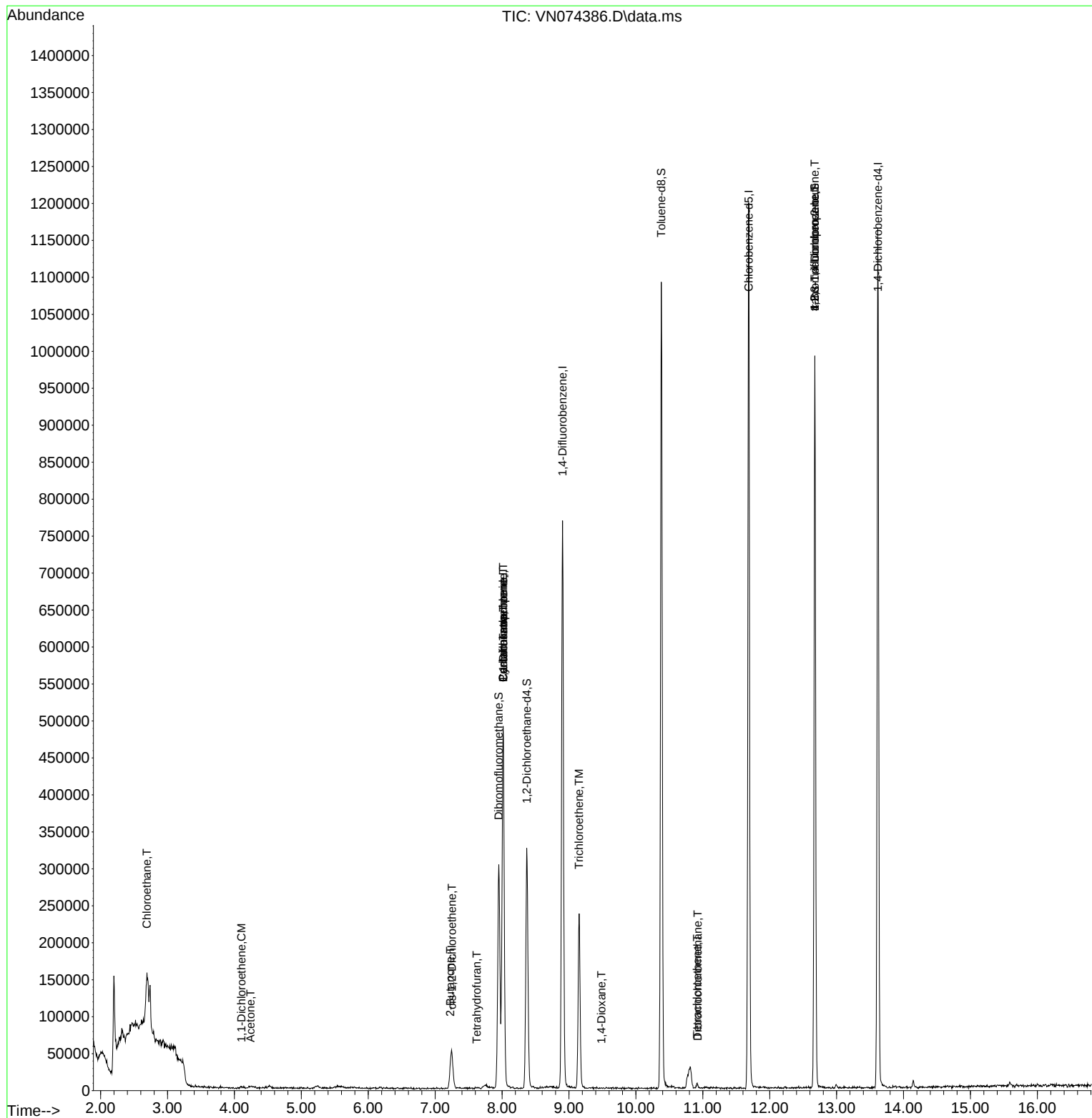
Internal Standards						
1) Pentafluorobenzene	8.016	168	347647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	631282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	602662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	276646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	250100	41.581	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.160%		
35) Dibromofluoromethane	7.951	113	207264	48.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.260%		
50) Toluene-d8	10.380	98	701323	42.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.460%#		
62) 4-Bromofluorobenzene	12.674	95	291653	48.375	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1423	Below Cal	#	56
6) Chloroethane	2.693	64	33591	3.154	ug/l #	50
12) 1,1-Dichloroethene	4.104	96	1016	0.234	ug/l #	4
16) Acetone	4.239	43	3059	0.942	ug/l #	69
20) Methylene Chloride	5.010	84	122	Below Cal	#	58
25) 2-Butanone	7.228	43	1460	0.268	ug/l #	52
27) cis-1,2-Dichloroethene	7.251	96	18650	3.117	ug/l	88
28) Bromochloromethane	7.716	49	198	Below Cal	#	20
29) Tetrahydrofuran	7.622	42	843	0.234	ug/l #	60
31) Cyclohexane	8.016	56	10977	1.148	ug/l #	37
36) 1,1-Dichloropropene	8.016	75	32416	4.617	ug/l #	52
38) Carbon Tetrachloride	8.016	117	37997	5.242	ug/l #	14
44) Trichloroethene	9.151	130	79002	16.393	ug/l	95
49) 1,4-Dioxane	9.486	88	61	0.394	ug/l #	1
60) Dibromochloromethane	10.921	129	1421	0.256	ug/l #	11
64) Tetrachloroethene	10.916	164	948	0.232	ug/l #	78
74) N-amyl acetate	12.327	43	671	Below Cal	#	52
76) 1,2,3-Trichloropropane	12.674	75	178177	24.637	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	178177	54.916	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.568	75	116	Below Cal	#	8

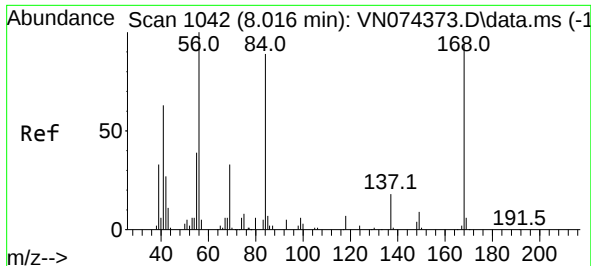
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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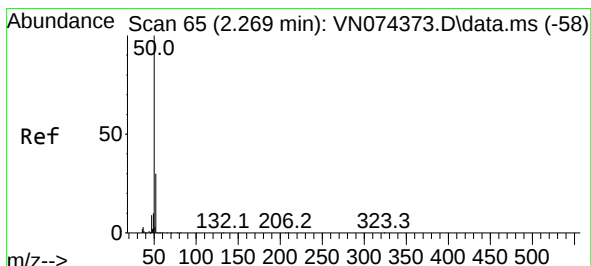
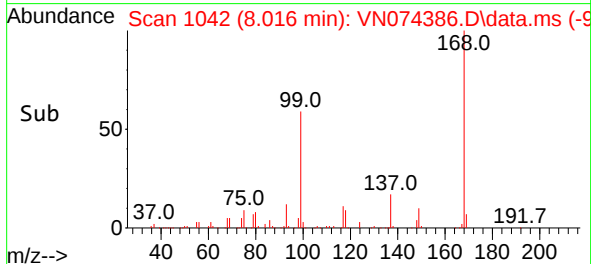
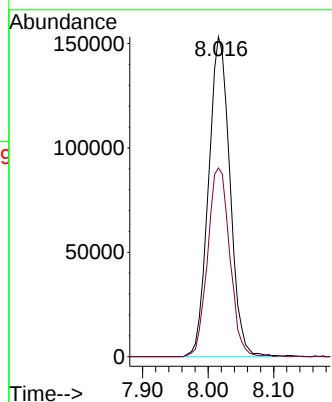
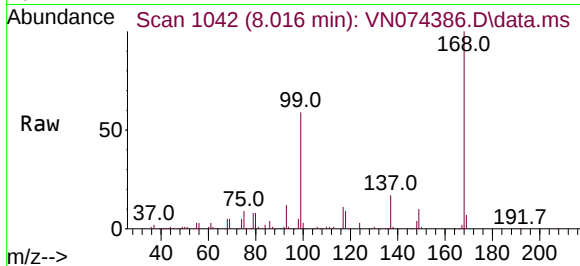




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

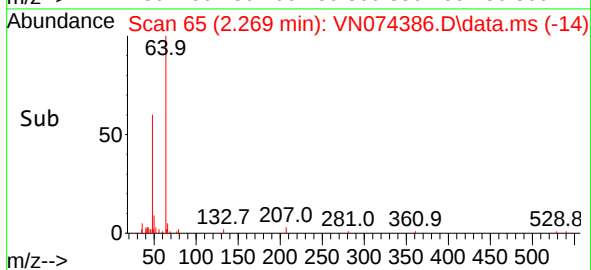
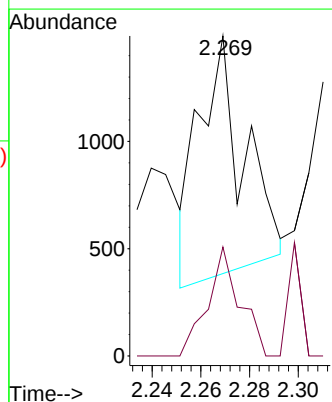
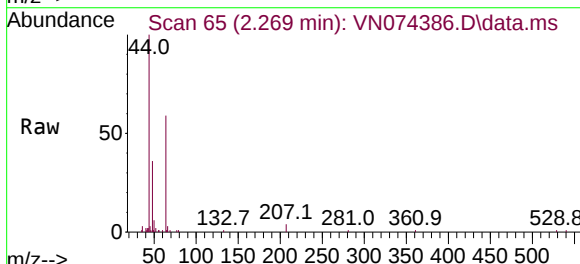
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

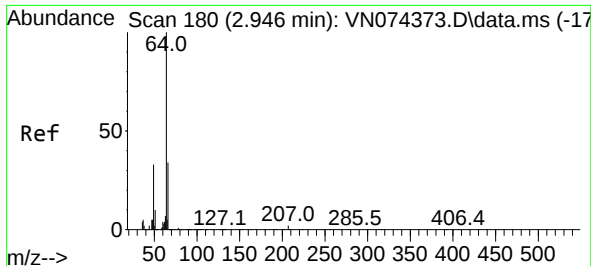
Tgt Ion:168 Resp: 347647
Ion Ratio Lower Upper
168 100
99 59.0 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 50 Resp: 1423
Ion Ratio Lower Upper
50 100
52 53.8 24.1 36.1#

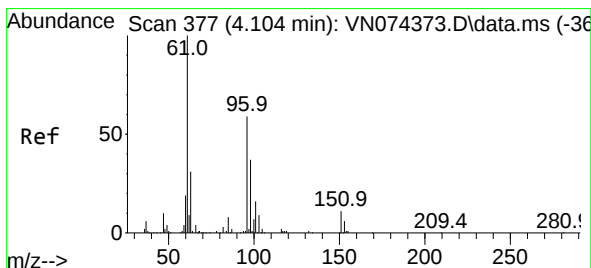
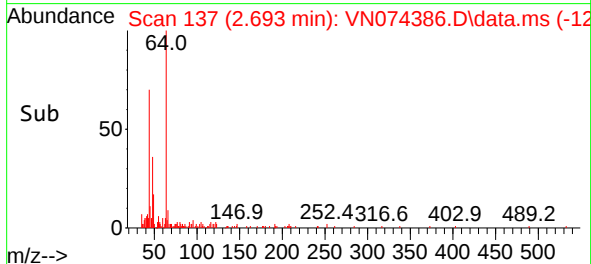
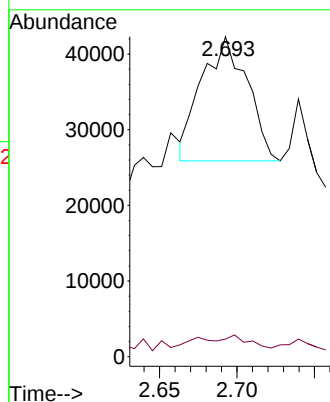
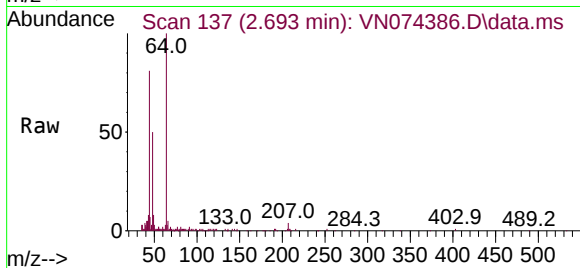




#6
Chloroethane
Concen: 3.154 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

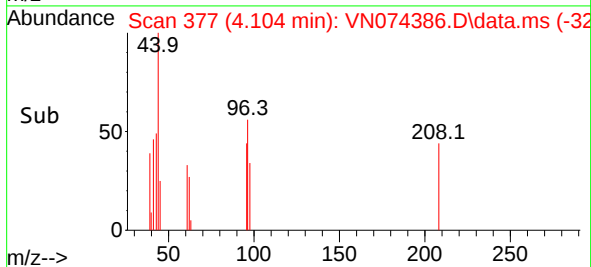
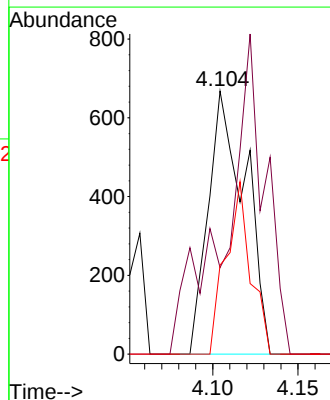
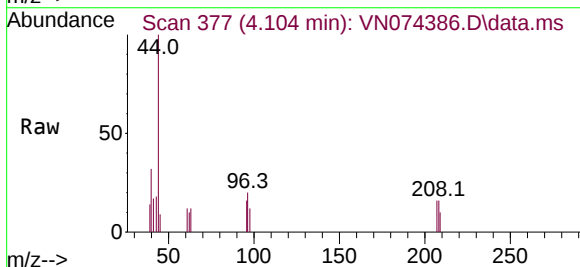
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

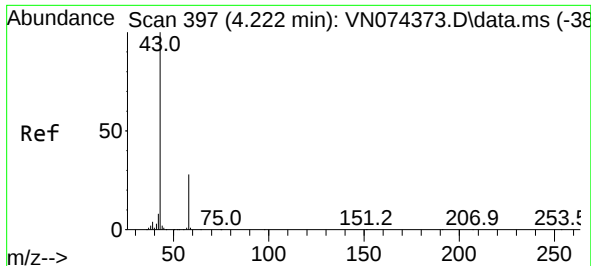
Tgt Ion: 64 Resp: 33591
Ion Ratio Lower Upper
64 100
66 4.6 26.5 39.7#



#12
1,1-Dichloroethene
Concen: 0.234 ug/l
RT: 4.104 min Scan# 377
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 96 Resp: 1016
Ion Ratio Lower Upper
96 100
61 8.8 134.7 202.1#
98 33.8 50.2 75.4#

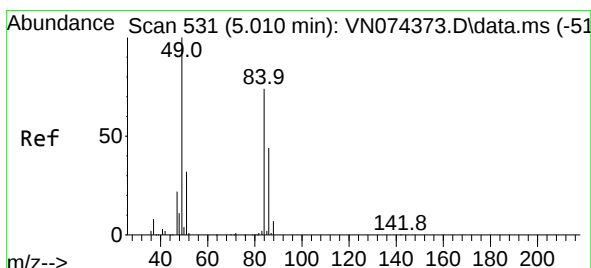
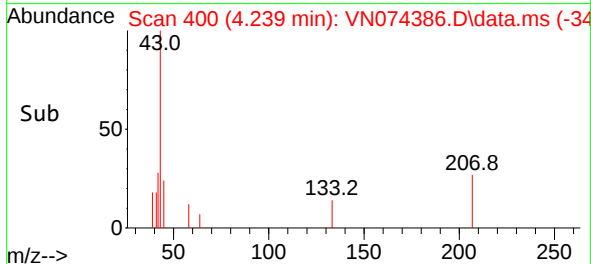
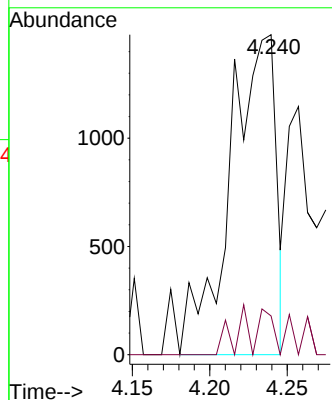
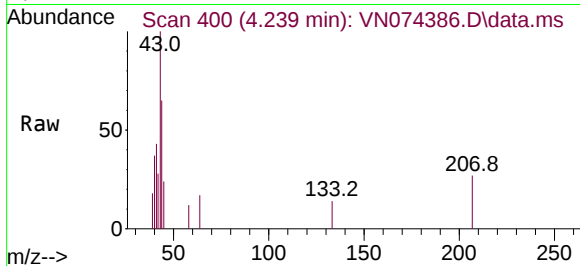




#16
Acetone
Concen: 0.942 ug/l
RT: 4.239 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

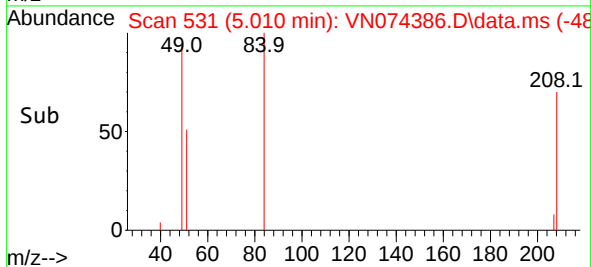
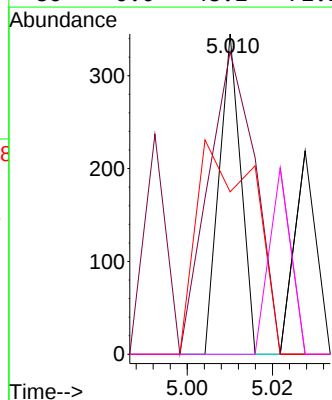
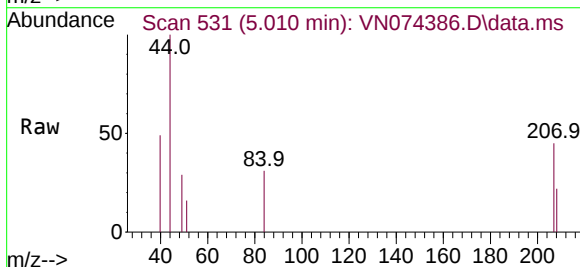
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

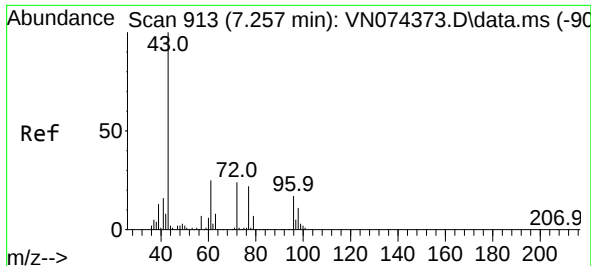
Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
58 12.1 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 84 Resp: 122
Ion Ratio Lower Upper
84 100
49 94.5 108.2 162.4#
51 50.7 34.3 51.5
86 0.0 48.2 72.2#

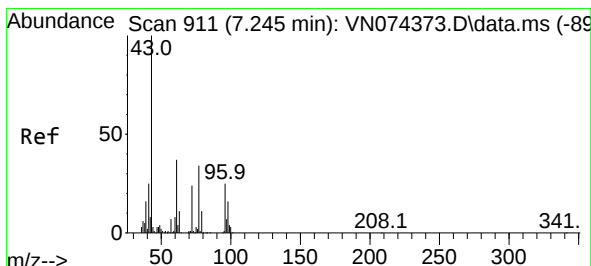
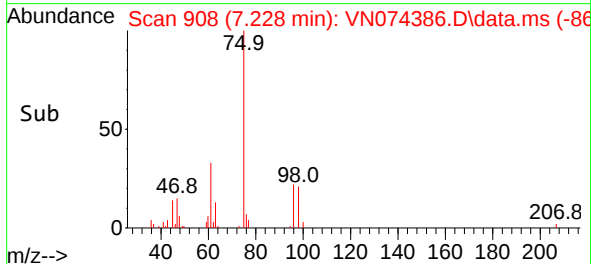
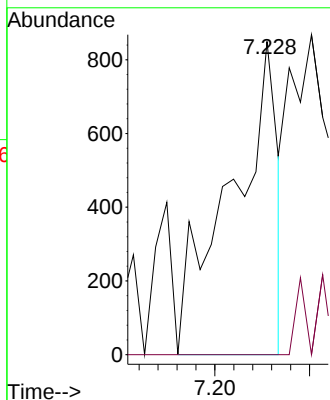
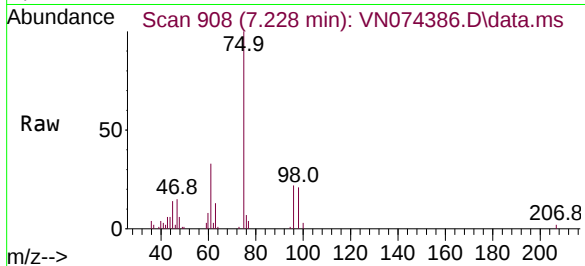




#25
2-Butanone
Concen: 0.268 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.029 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

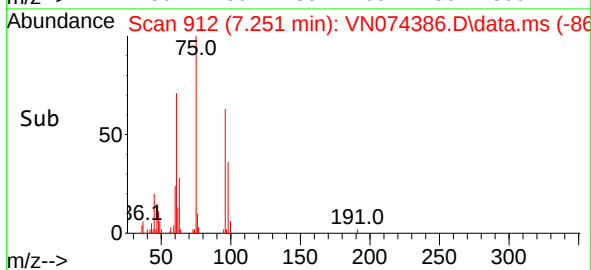
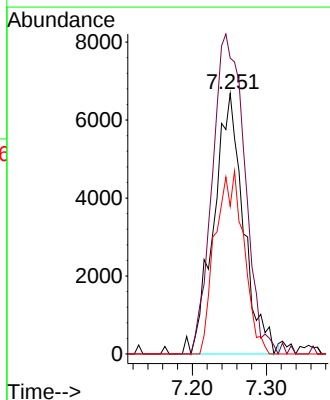
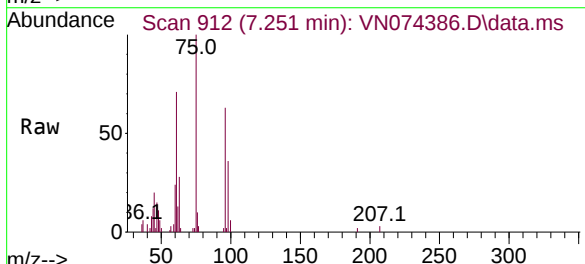
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

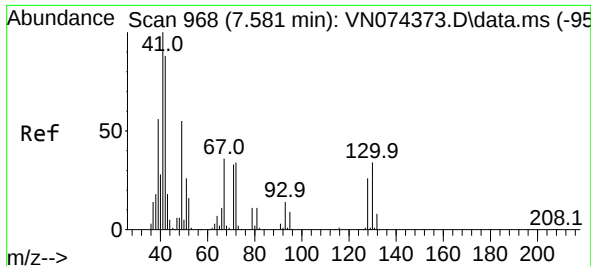
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#



#27
cis-1,2-Dichloroethene
Concen: 3.117 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 96 Resp: 18650
Ion Ratio Lower Upper
96 100
61 133.2 0.0 306.2
98 67.5 0.0 129.8





#28

Bromochloromethane

Concen: Below Cal

RT: 7.716 min Scan# 91

Delta R.T. 0.135 min

Lab File: VN074386.D

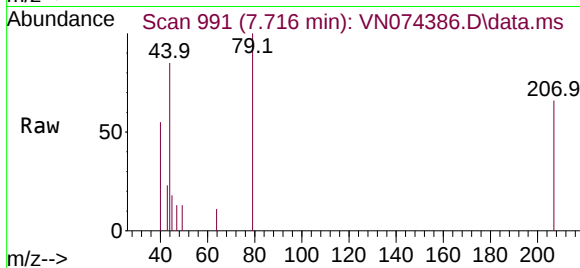
Acq: 09 Sep 2022 20:34

Instrument :

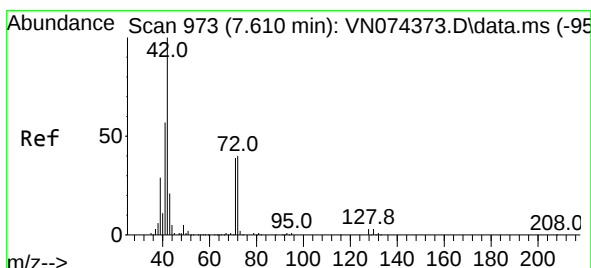
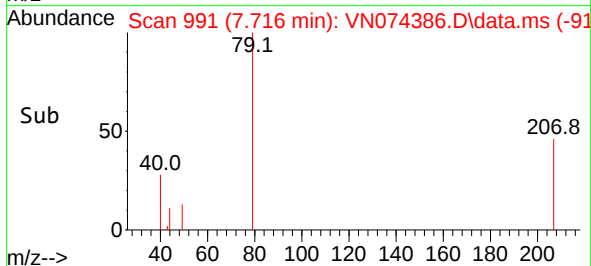
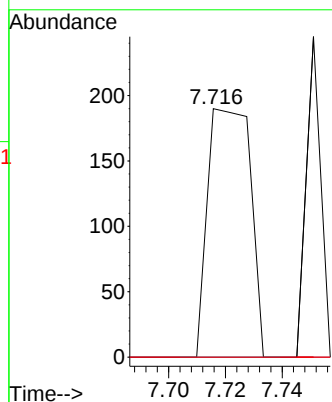
MSVOA_N

ClientSampleId :

MW-12A-13-18-083122



Tgt Ion:	49	Resp:	198
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	0.0	50.0	75.0



#29

Tetrahydrofuran

Concen: 0.234 ug/l

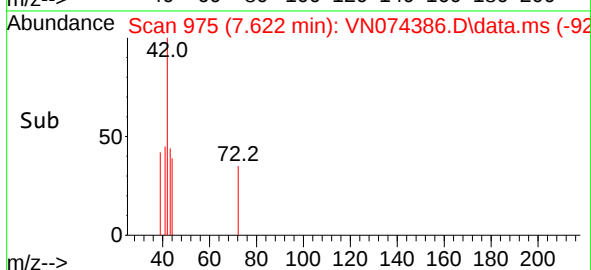
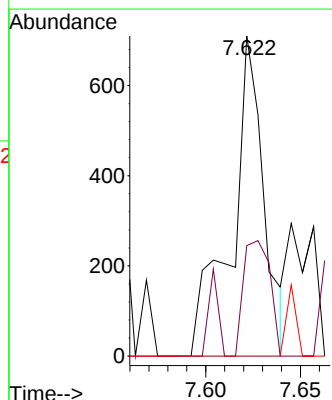
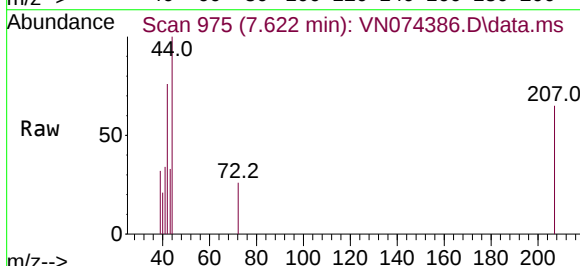
RT: 7.622 min Scan# 975

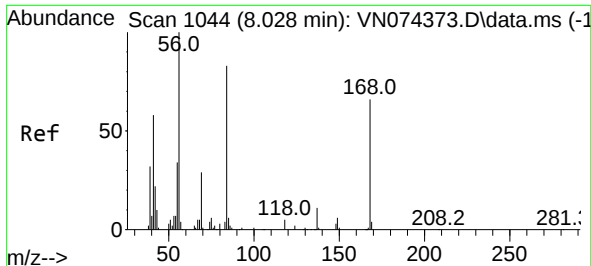
Delta R.T. 0.012 min

Lab File: VN074386.D

Acq: 09 Sep 2022 20:34

Tgt Ion:	42	Resp:	843
Ion	Ratio	Lower	Upper
42	100		
72	29.7	32.7	49.1
71	0.0	31.0	46.6

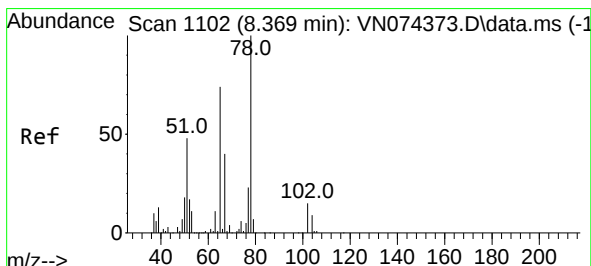
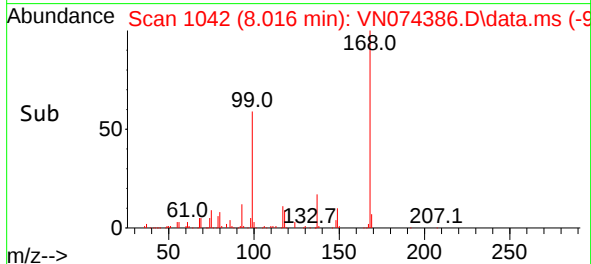
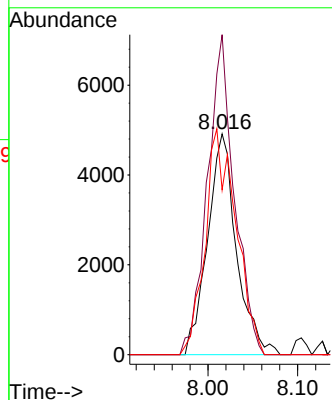
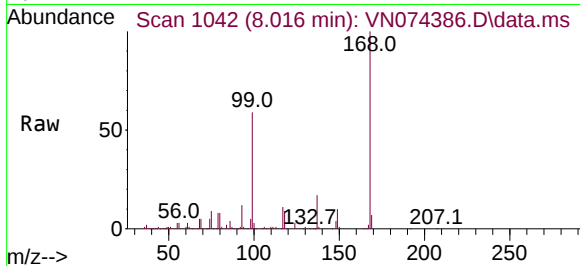




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.016 min Scan# 1044
Delta R.T. -0.012 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

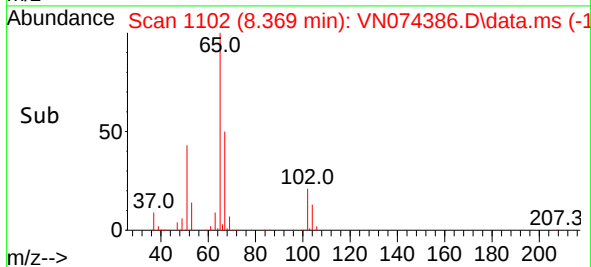
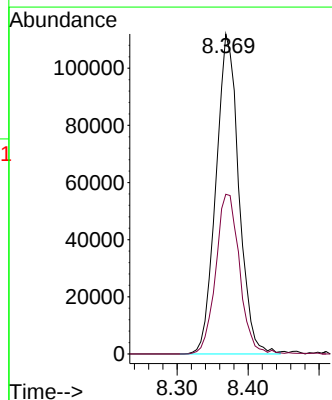
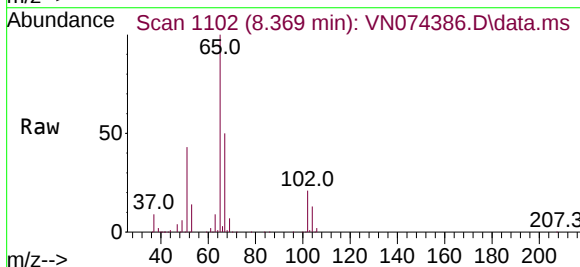
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MSVOA_N
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MW-12A-13-18-083122

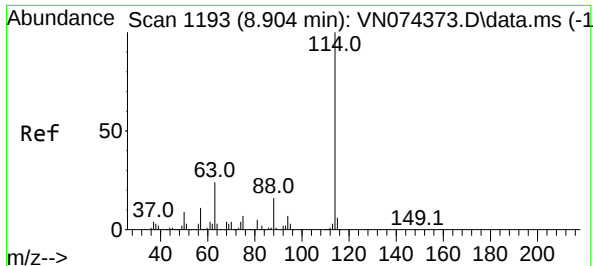
Tgt Ion: 56 Resp: 10977
Ion Ratio Lower Upper
56 100
69 144.9 23.0 34.4#
84 74.6 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 41.581 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 65 Resp: 250100
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074386.D

Acq: 09 Sep 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

MW-12A-13-18-083122

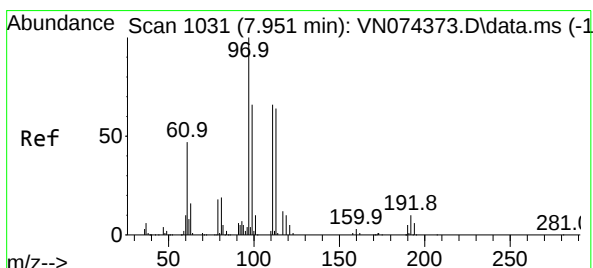
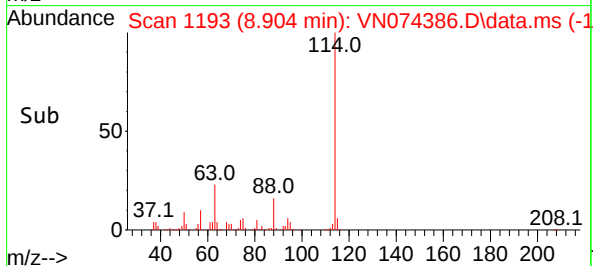
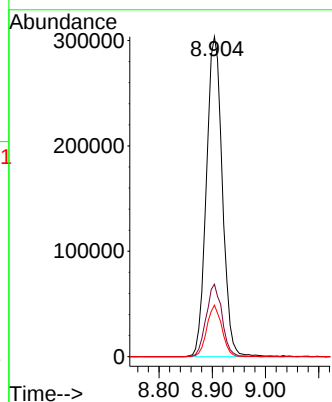
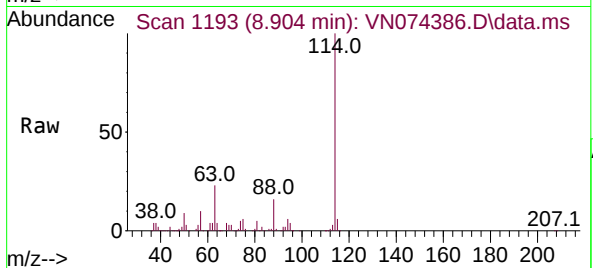
Tgt Ion:114 Resp: 631282

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.633 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074386.D

Acq: 09 Sep 2022 20:34

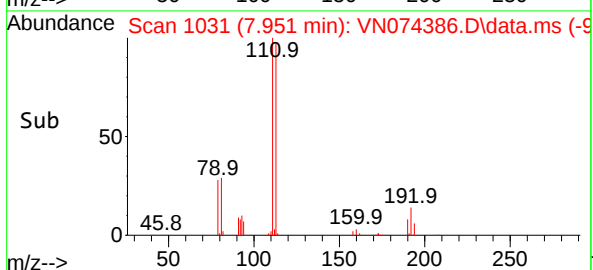
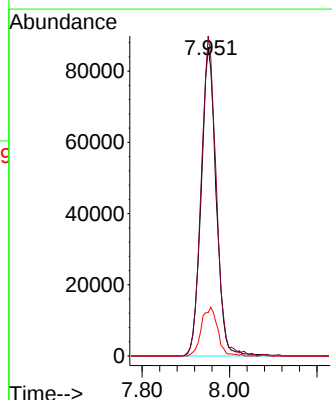
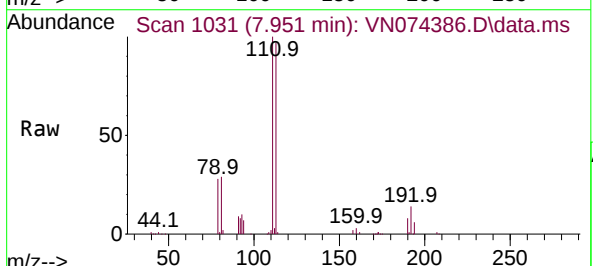
Tgt Ion:113 Resp: 207264

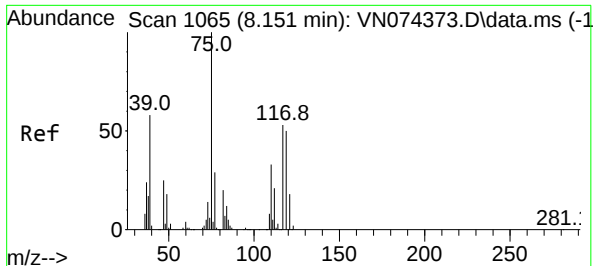
Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 17.2 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074386.D

Acq: 09 Sep 2022 20:34

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MSVOA_N

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MW-12A-13-18-083122

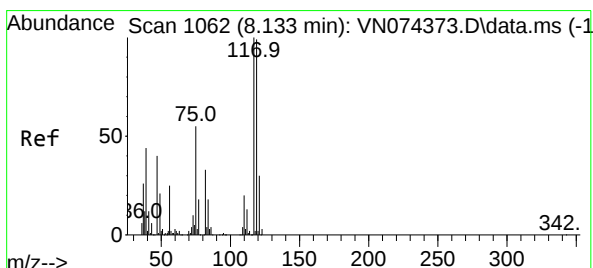
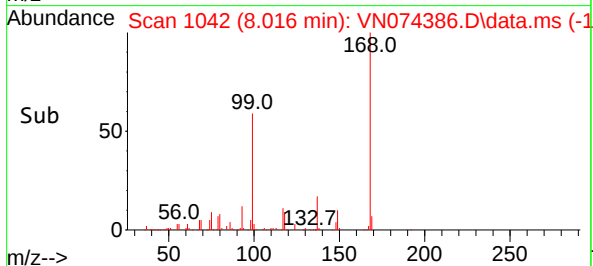
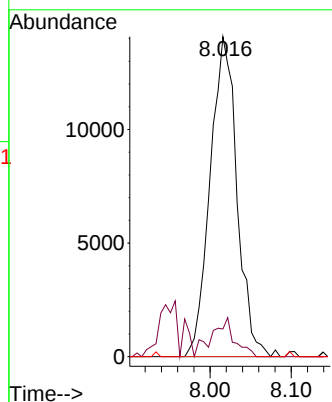
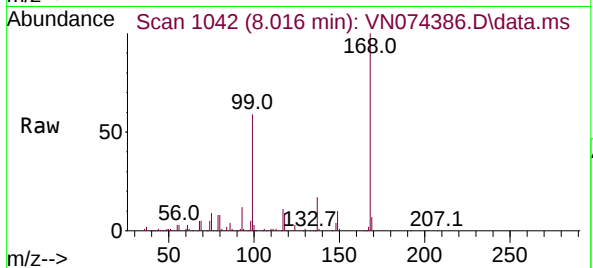
Tgt Ion: 75 Resp: 32416

Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.242 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN074386.D

Acq: 09 Sep 2022 20:34

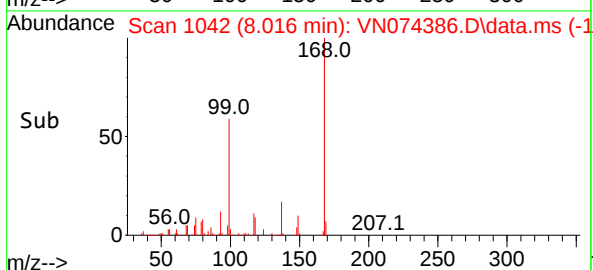
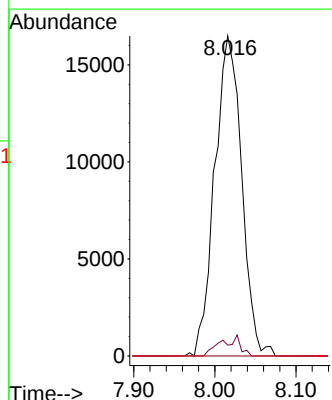
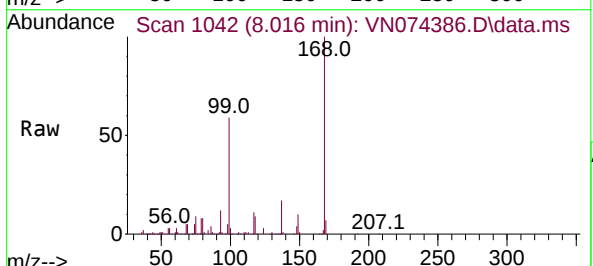
Tgt Ion: 117 Resp: 37997

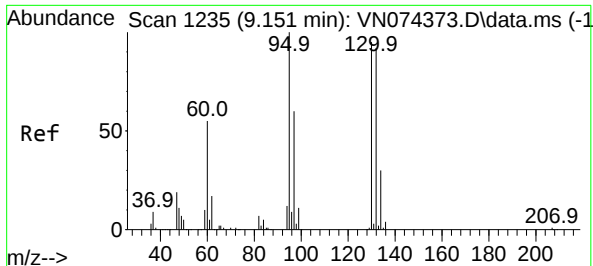
Ion Ratio Lower Upper

117 100

119 3.4 78.8 118.2#

121 0.0 24.1 36.1#

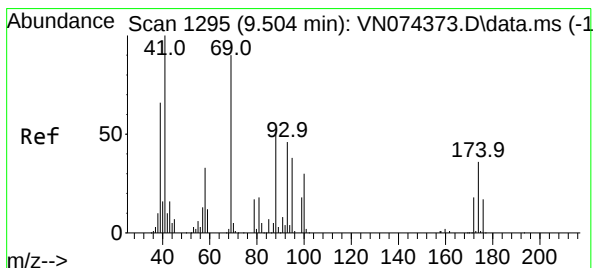
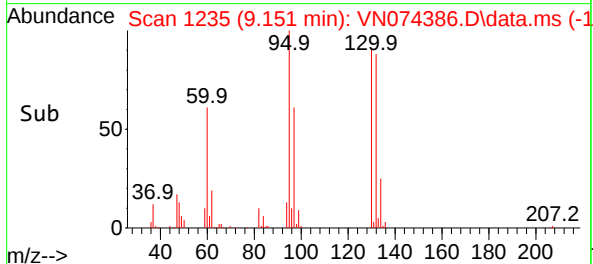
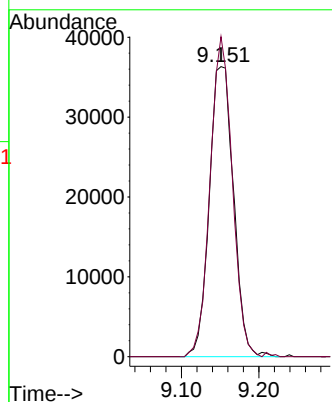
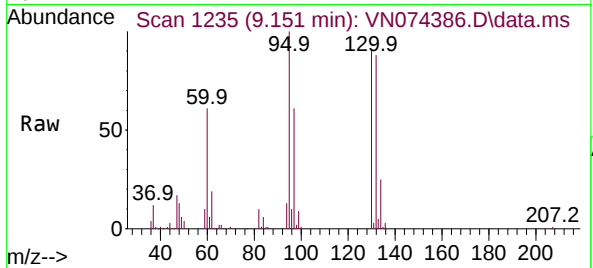




#44
Trichloroethene
Concen: 16.393 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

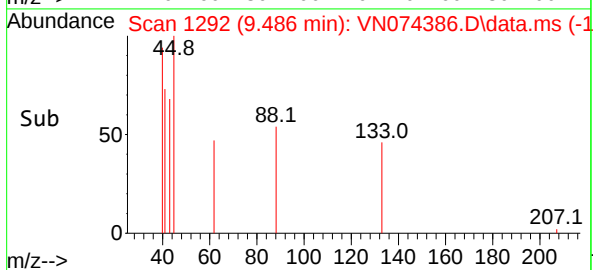
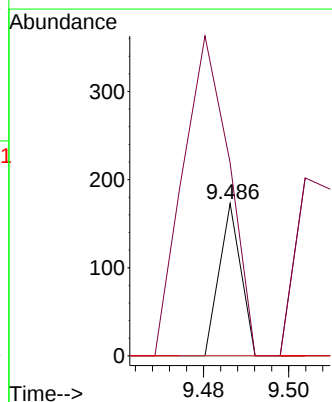
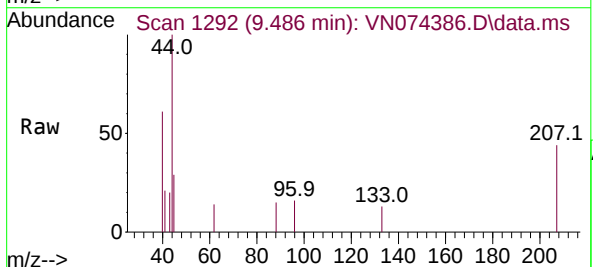
Instrument :
MSVOA_N
ClientSampleId :
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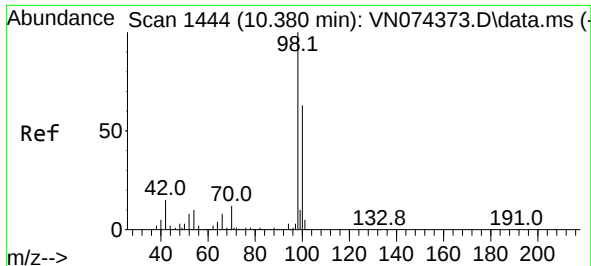
Tgt Ion:130 Resp: 79002
Ion Ratio Lower Upper
130 100
95 110.3 0.0 210.0



#49
1,4-Dioxane
Concen: 0.394 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 447.5 26.9 40.3#
58 0.0 52.7 79.1#

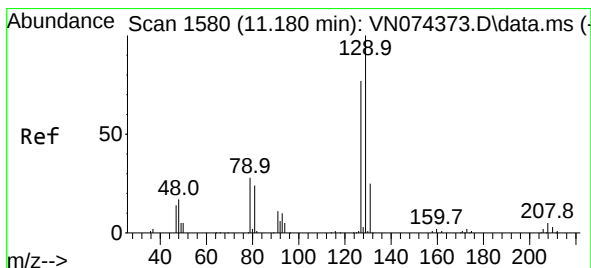
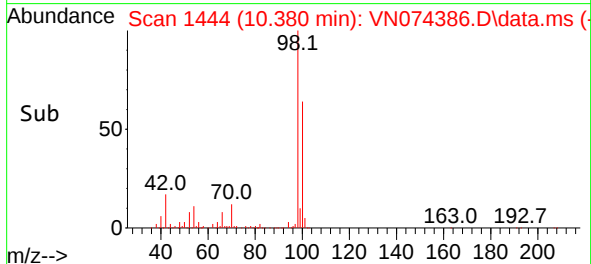
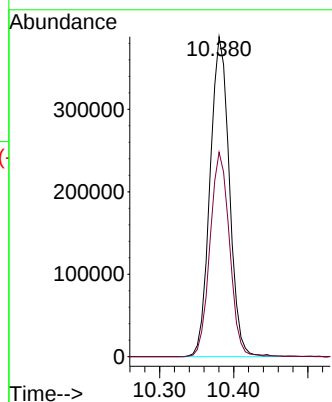
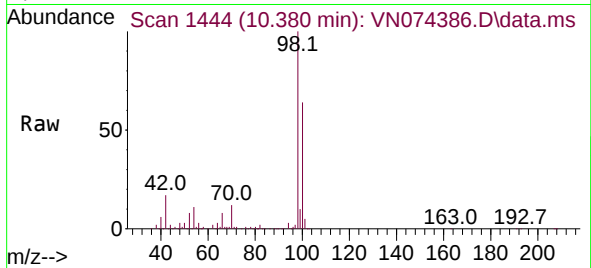




#50
Toluene-d8
Concen: 42.234 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

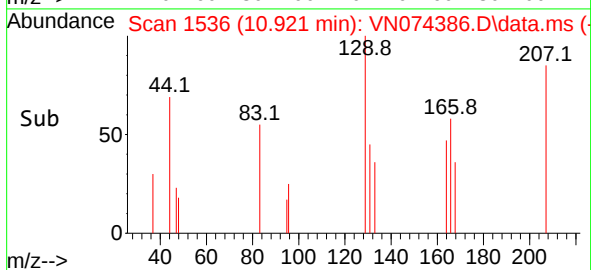
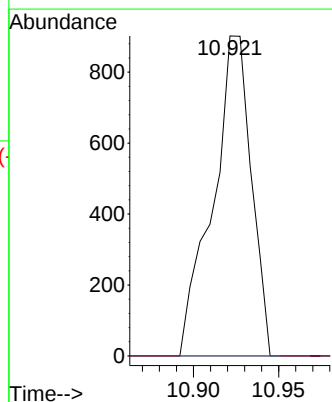
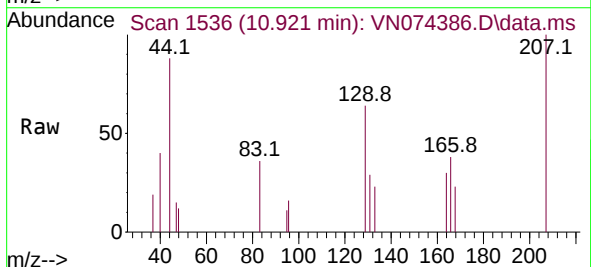
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

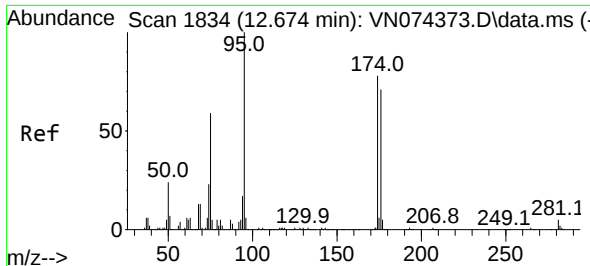
Tgt Ion: 98 Resp: 701323
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0



#60
Dibromochloromethane
Concen: 0.256 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. -0.259 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 129 Resp: 1421
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

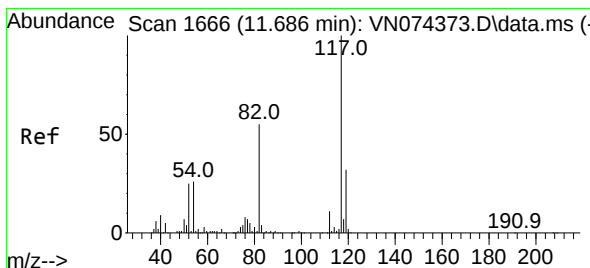
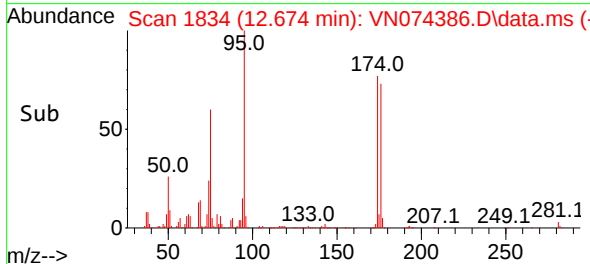
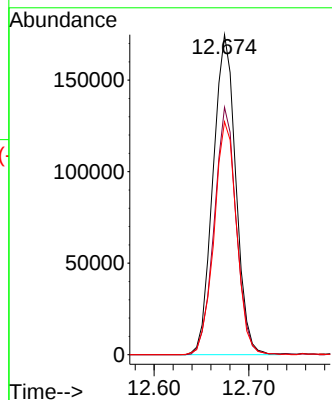
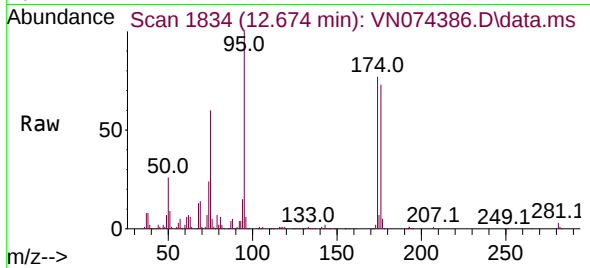




#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

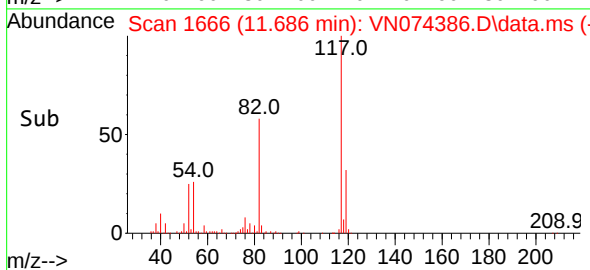
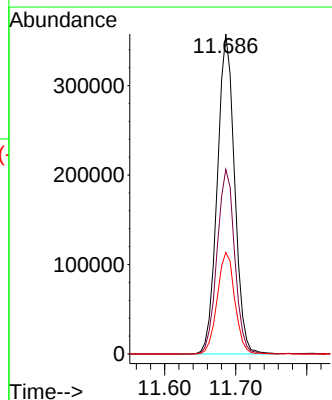
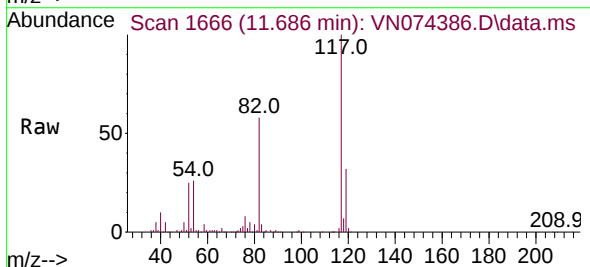
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

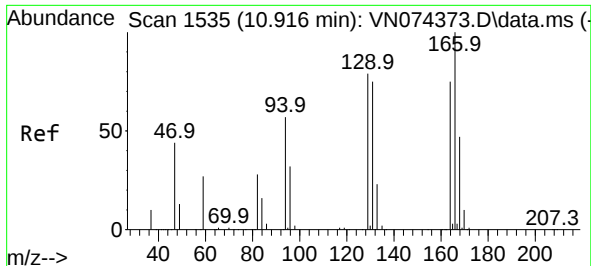
Tgt Ion: 95 Resp: 291653
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.6
176 72.0 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 117 Resp: 602662
Ion Ratio Lower Upper
117 100
82 57.7 44.3 66.5
119 31.7 25.5 38.3

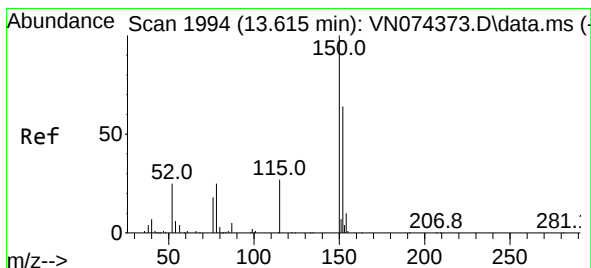
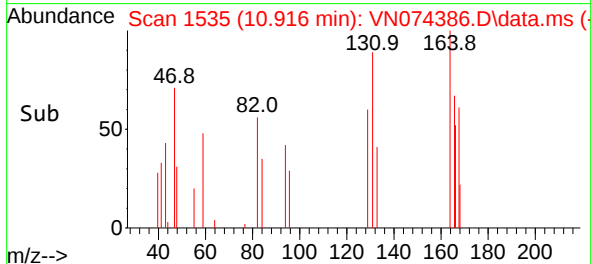
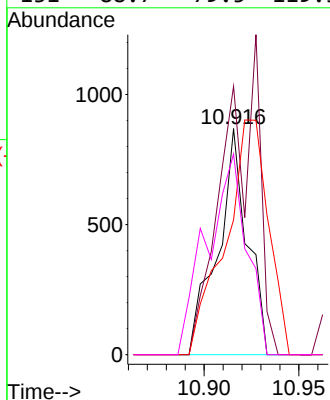
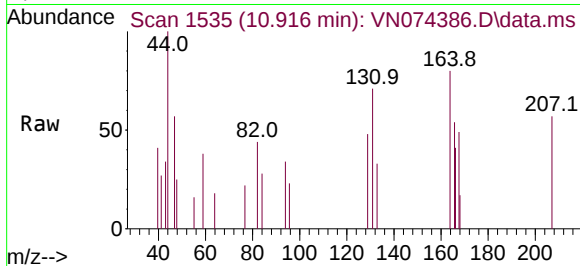




#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

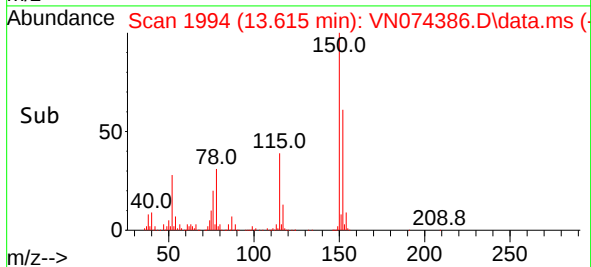
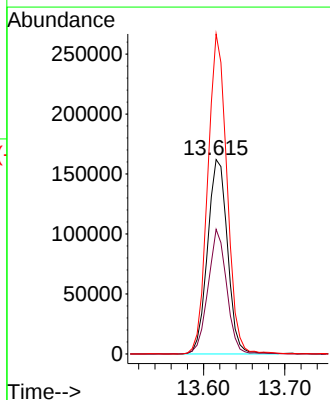
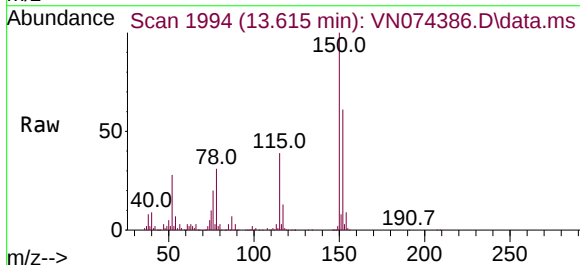
Instrument :
MSVOA_N
ClientSampleId :
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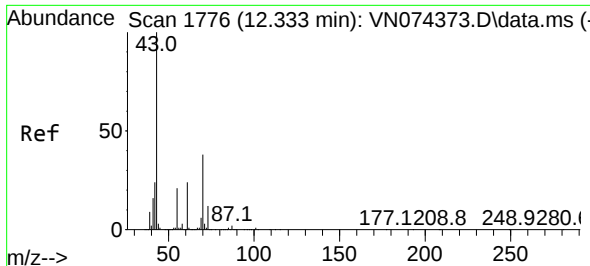
Tgt Ion:164 Resp: 948
Ion Ratio Lower Upper
164 100
166 118.8 106.6 160.0
129 59.6 84.0 126.0#
131 88.7 79.5 119.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion:152 Resp: 276646
Ion Ratio Lower Upper
152 100
115 60.0 32.0 96.0
150 158.5 0.0 359.6

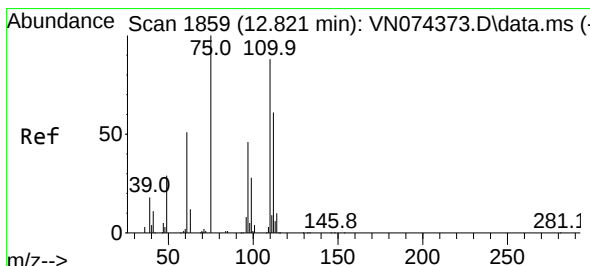
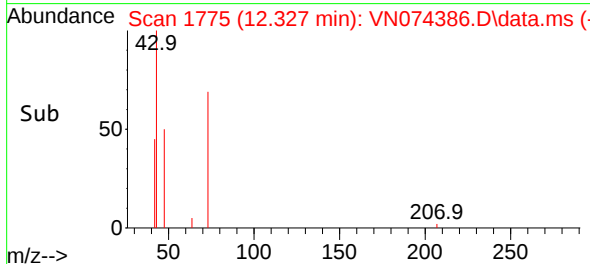
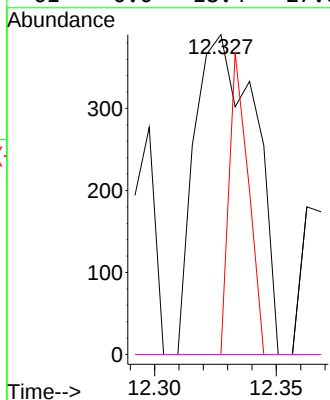
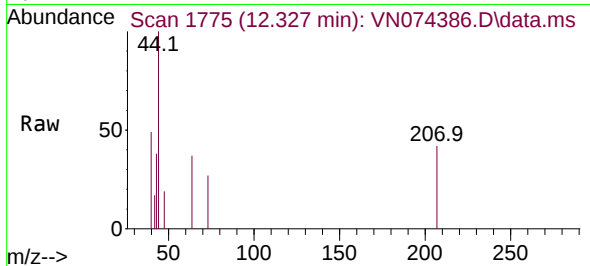




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

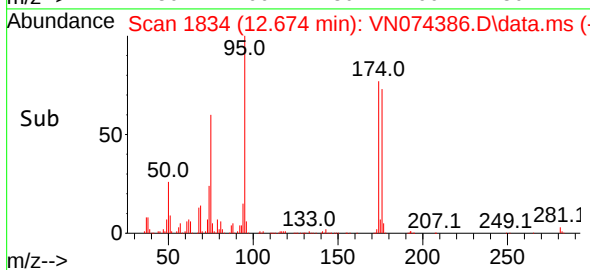
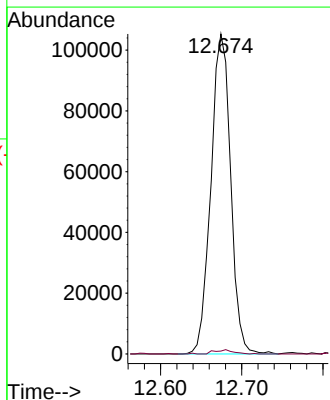
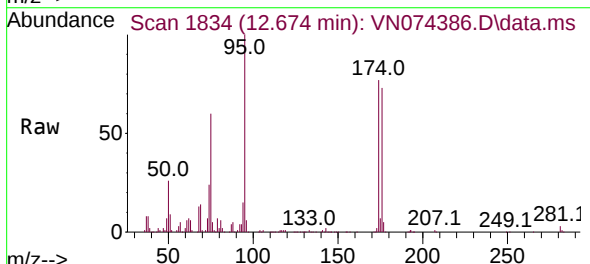
Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

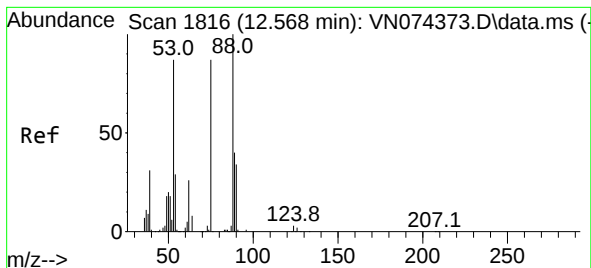
Tgt Ion: 43	Resp: 671
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 30.0	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 24.637 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 75	Resp: 178177
Ion Ratio	Lower Upper
75 100	
77 1.2	78.9 236.7#

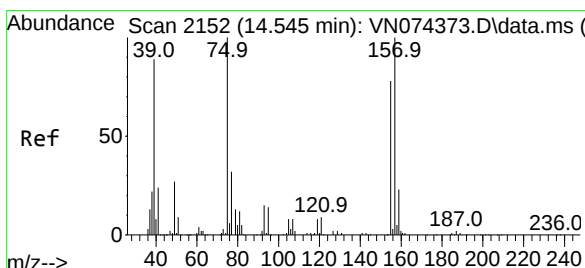
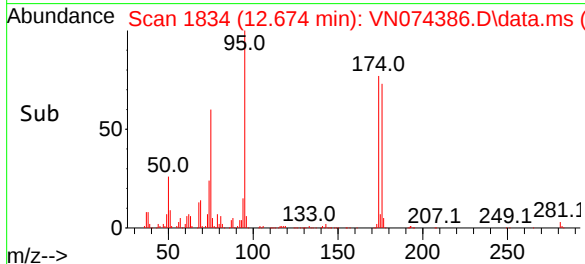
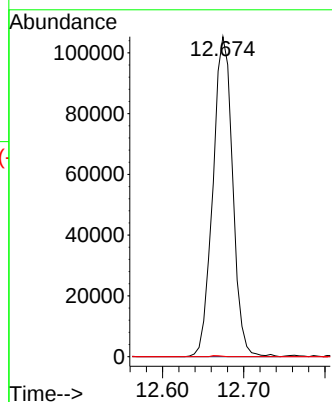
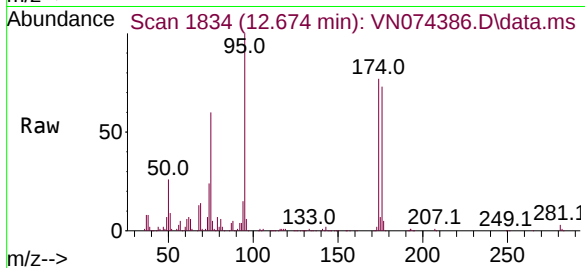




#81
trans-1,4-Dichloro-2-butene
Concen: 54.916 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Instrument :
MSVOA_N
ClientSampleId :
MW-12A-13-18-083122

Tgt Ion: 75 Resp: 178177
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.2 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.568 min Scan# 2156
Delta R.T. 0.023 min
Lab File: VN074386.D
Acq: 09 Sep 2022 20:34

Tgt Ion: 75 Resp: 116
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

