

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074688.D
 Acq On : 01 Oct 2022 04:24
 Operator : JC\MD
 Sample : N4945-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-01B-64-69-093022

Quant Time: Oct 03 02:11:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

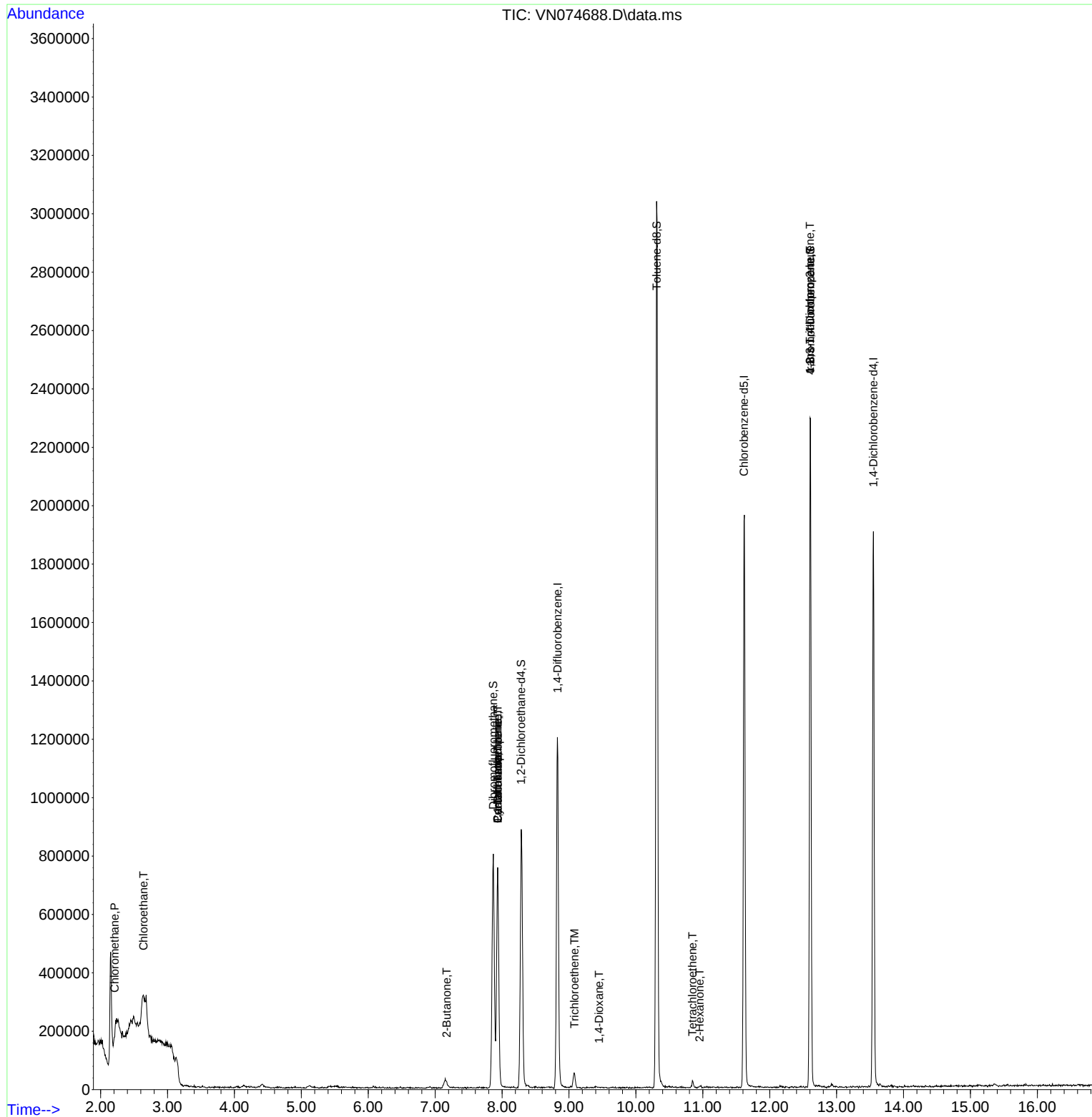
Internal Standards						
1) Pentafluorobenzene	7.933	168	538617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1008607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1028149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	466653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	663546	49.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	7.869	113	543542	50.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.820%		
50) Toluene-d8	10.310	98	2077226	46.258	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.520%		
62) 4-Bromofluorobenzene	12.610	95	690031	48.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.920%		
Target Compounds						Qvalue
3) Chloromethane	2.210	50	5690	0.345	ug/l	93
6) Chloroethane	2.640	64	45869	2.492	ug/l #	42
8) Diethyl Ether	3.634	74	61	Below Cal		77
13) Acrolein	3.881	56	93	Below Cal	#	1
16) Acetone	4.151	43	12385	Below Cal		97
20) Methylene Chloride	4.910	84	478	Below Cal	#	46
25) 2-Butanone	7.175	43	22828	1.837	ug/l #	62
31) Cyclohexane	7.933	56	16360	0.746	ug/l #	53
36) 1,1-Dichloropropene	7.933	75	54464	3.186	ug/l #	48
38) Carbon Tetrachloride	7.933	117	58296	3.722	ug/l #	15
44) Trichloroethene	9.080	130	16669	1.518	ug/l	74
49) 1,4-Dioxane	9.451	88	118	0.371	ug/l #	1
59) 2-Hexanone	10.951	43	6227	0.322	ug/l	70
64) Tetrachloroethene	10.845	164	4036	0.464	ug/l #	73
74) N-amyl acetate	12.257	43	1386	Below Cal	#	50
75) 1,1,2,2-Tetrachloroethane	12.616	83	1765	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.604	75	416118	39.386	ug/l #	1
77) Bromobenzene	12.733	156	115	Below Cal	#	6
81) trans-1,4-Dichloro-2-b...	12.604	75	416118	74.517	ug/l #	10

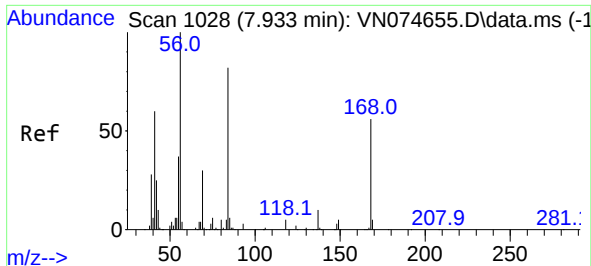
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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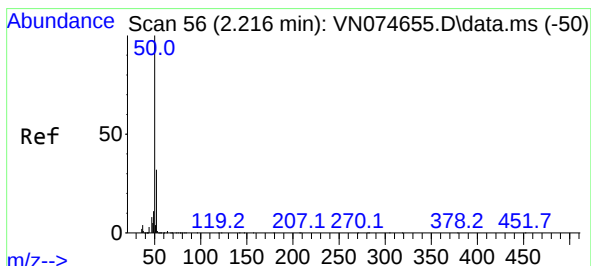
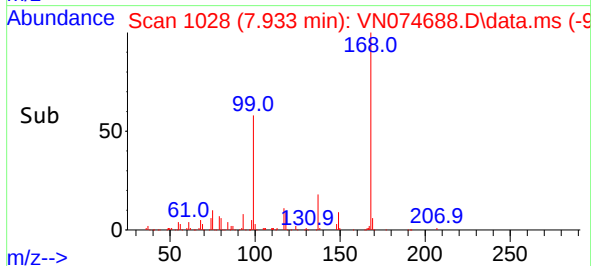
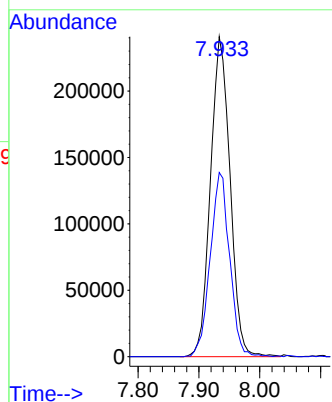
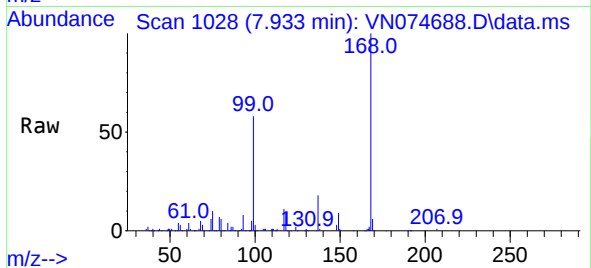




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

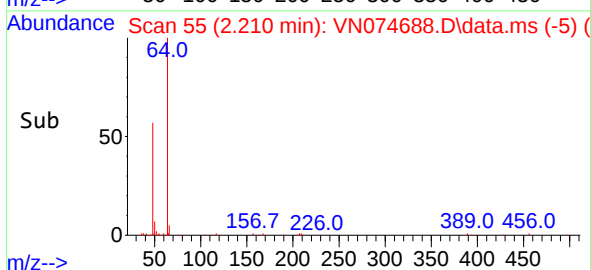
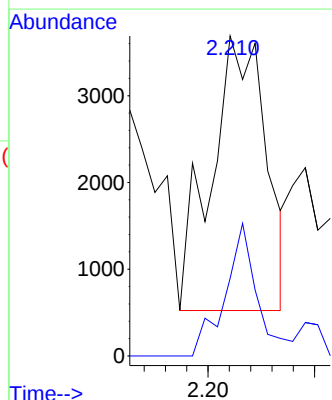
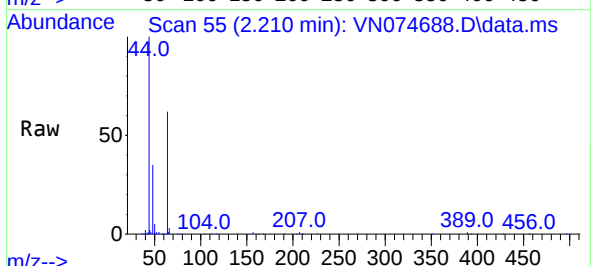
Instrument :
MSVOA_N
ClientSampleId :
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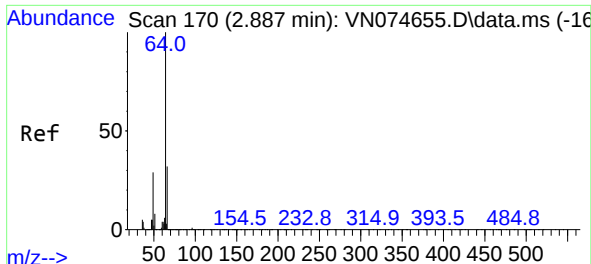
Tgt Ion:168 Resp: 538617
Ion Ratio Lower Upper
168 100
99 57.5 42.3 63.5



#3
Chloromethane
Concen: 0.345 ug/l
RT: 2.210 min Scan# 55
Delta R.T. -0.006 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 50 Resp: 5690
Ion Ratio Lower Upper
50 100
52 28.3 25.7 38.5

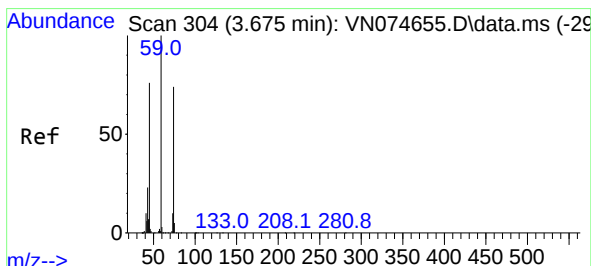
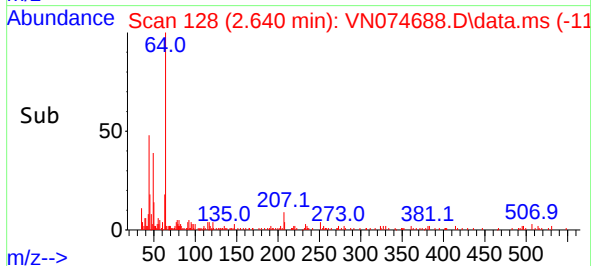
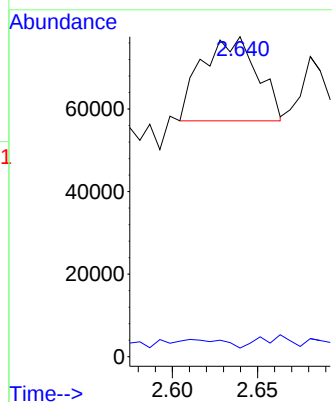
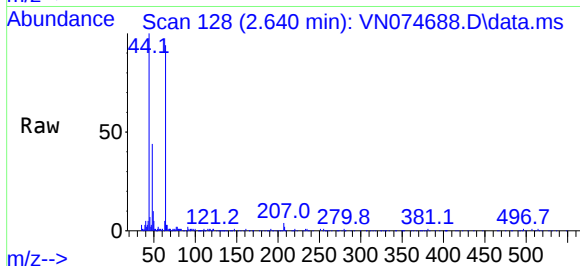




#6
Chloroethane
Concen: 2.492 ug/l
RT: 2.640 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

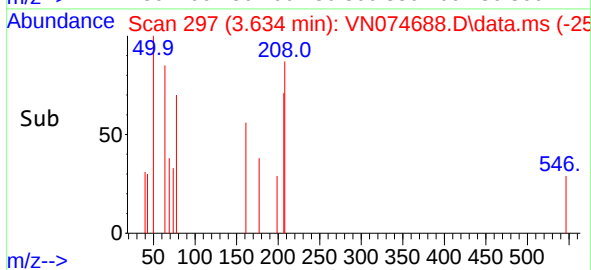
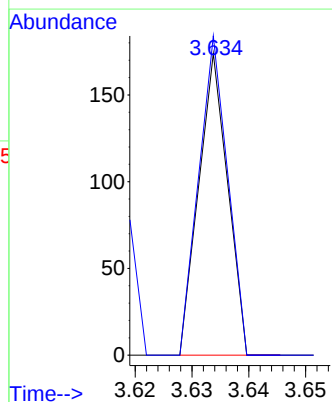
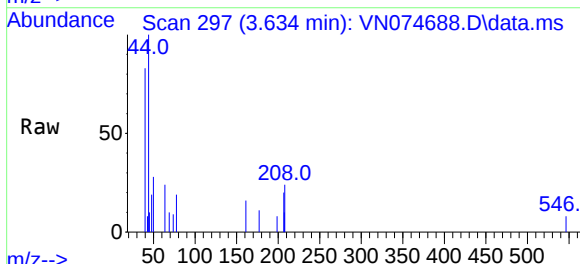
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

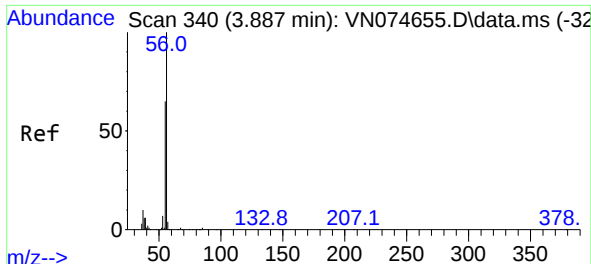
Tgt Ion: 64 Resp: 45869
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.634 min Scan# 297
Delta R.T. -0.041 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 74 Resp: 61
Ion Ratio Lower Upper
74 100
45 106.6 42.9 128.5

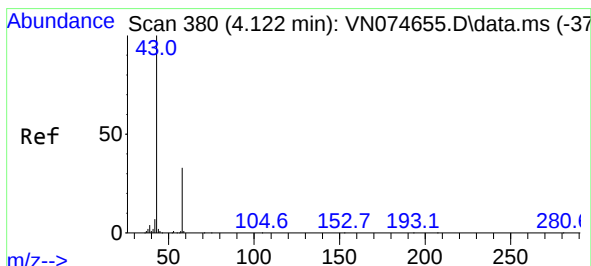
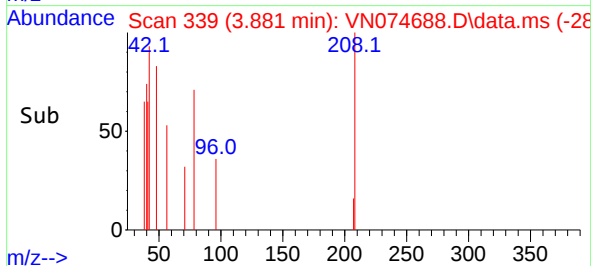
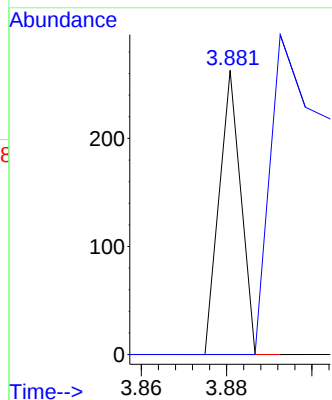
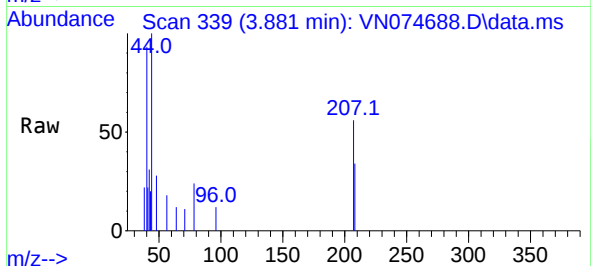




#13
Acrolein
Concen: Below Cal
RT: 3.881 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

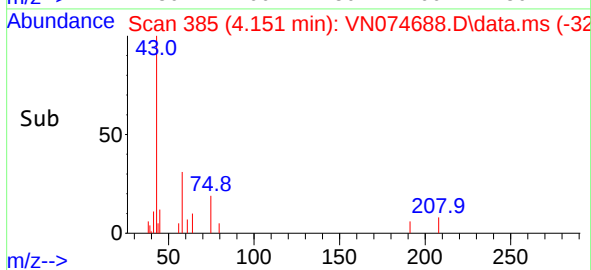
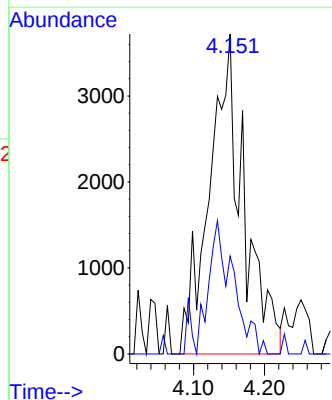
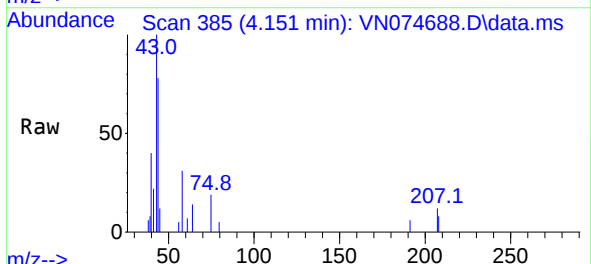
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

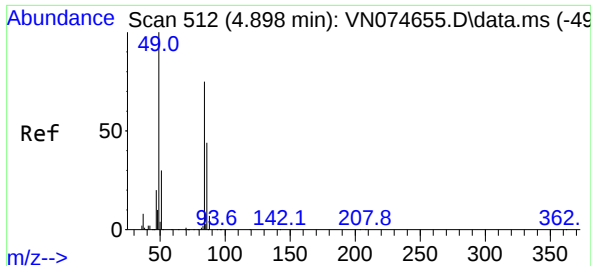
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 281.7 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.151 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 43 Resp: 12385
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.910 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN074688.D

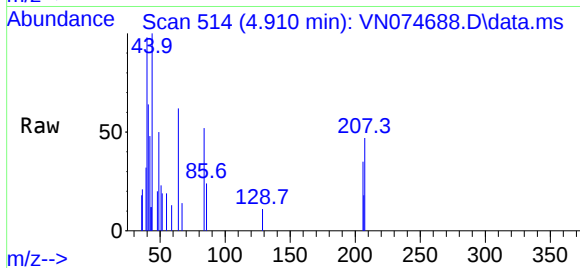
Acq: 01 Oct 2022 04:24

Instrument :

MSVOA_N

ClientSampleId :

OW-01B-64-69-093022



Tgt Ion: 84 Resp: 478

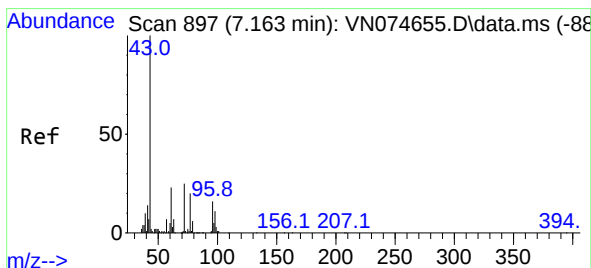
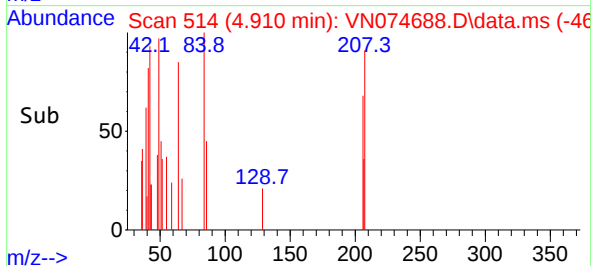
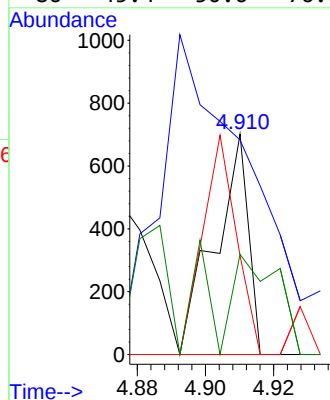
Ion Ratio Lower Upper

84 100

49 43.0 88.3 132.5#

51 81.3 28.2 42.2#

86 45.4 50.6 76.0#



#25

2-Butanone

Concen: 1.837 ug/l

RT: 7.175 min Scan# 899

Delta R.T. 0.012 min

Lab File: VN074688.D

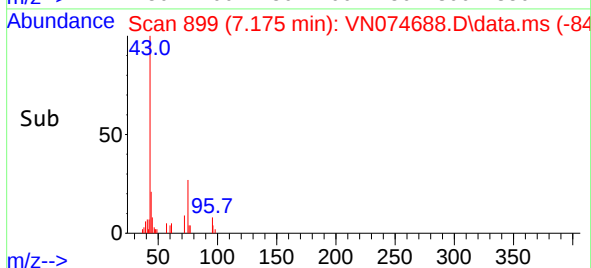
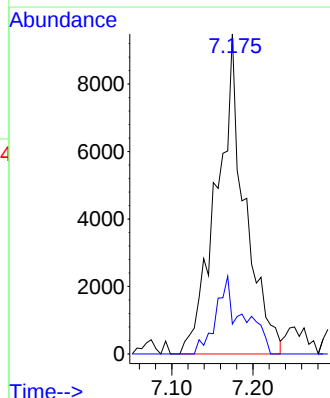
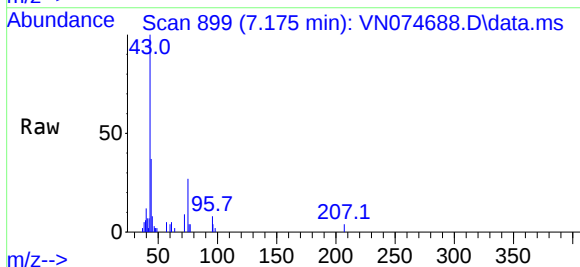
Acq: 01 Oct 2022 04:24

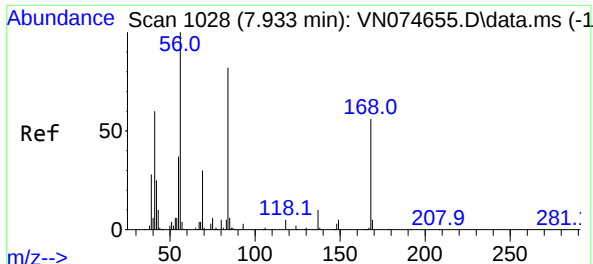
Tgt Ion: 43 Resp: 22828

Ion Ratio Lower Upper

43 100

72 9.3 23.7 35.5#

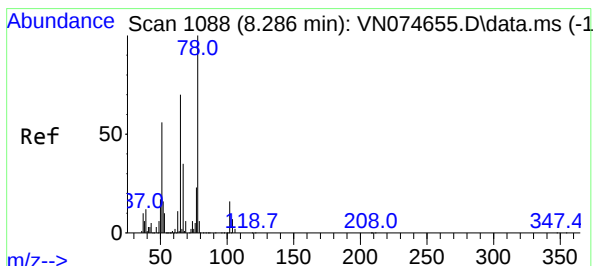
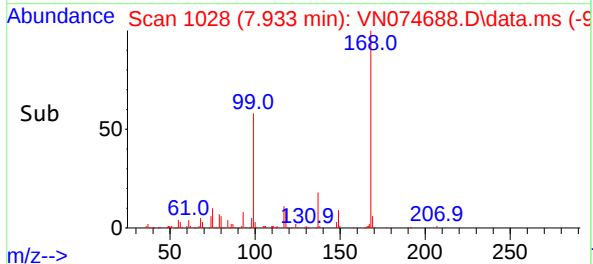
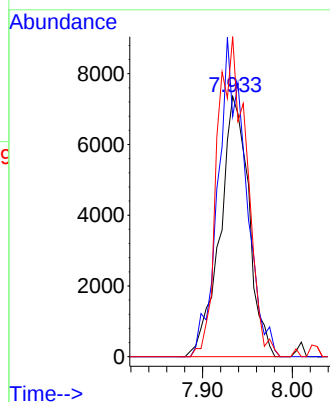
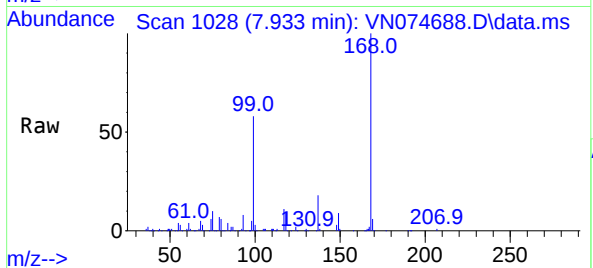




#31
Cyclohexane
Concen: 0.746 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

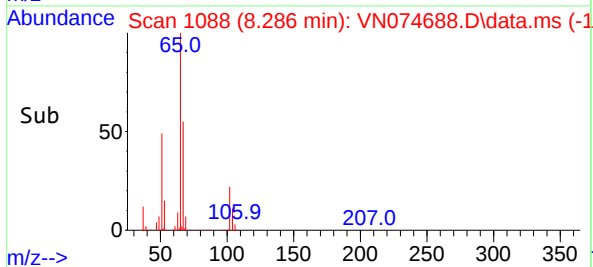
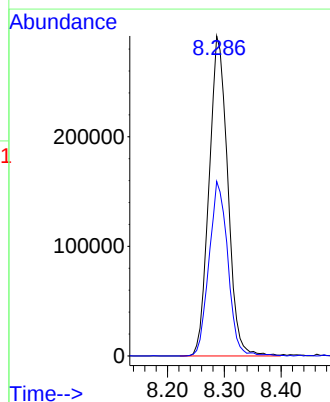
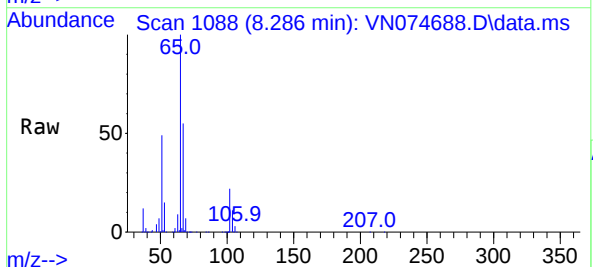
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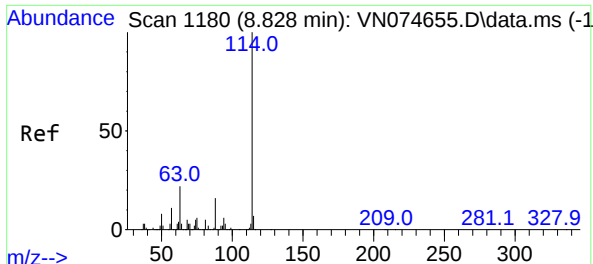
Tgt Ion: 56 Resp: 16360
Ion Ratio Lower Upper
56 100
69 92.4 27.8 41.8#
84 123.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.155 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 65 Resp: 663546
Ion Ratio Lower Upper
65 100
67 54.7 0.0 104.8

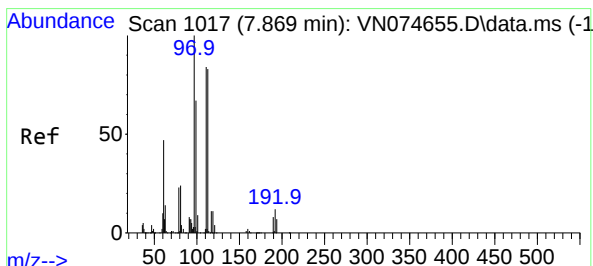
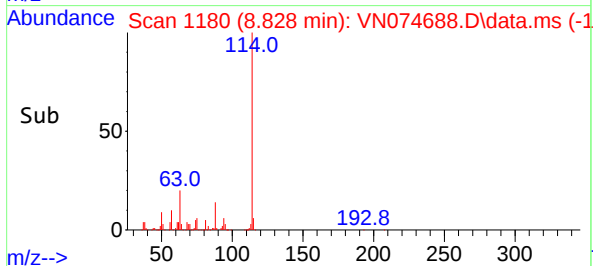
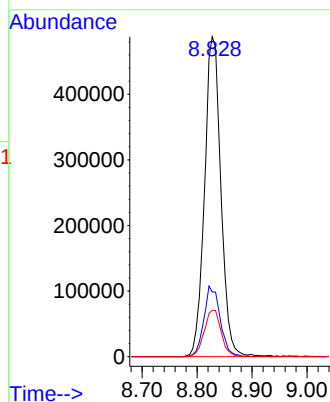
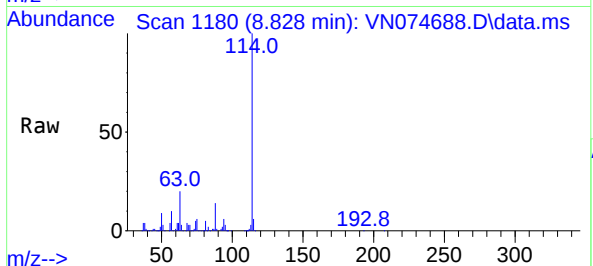




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

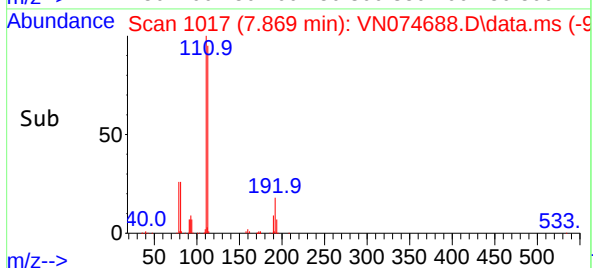
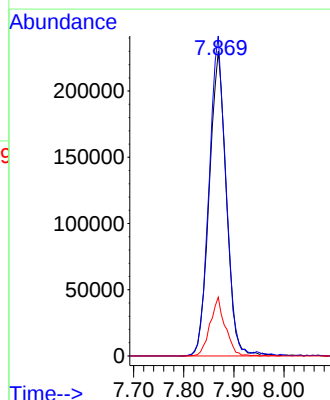
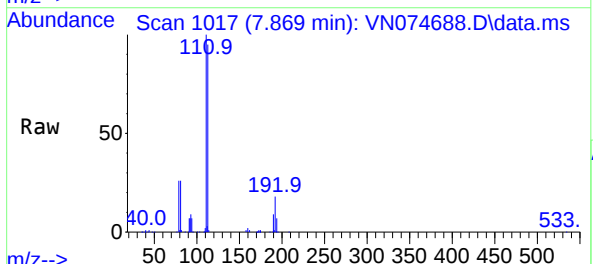
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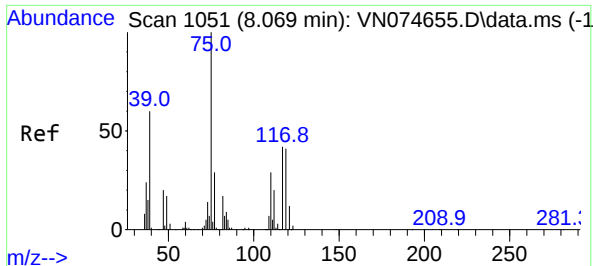
Tgt Ion:114 Resp: 1008607
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 14.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.914 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion:113 Resp: 543542
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 17.1 17.0 25.6

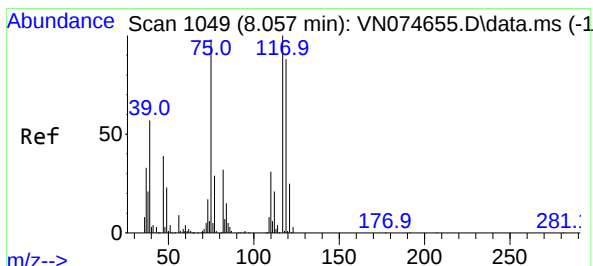
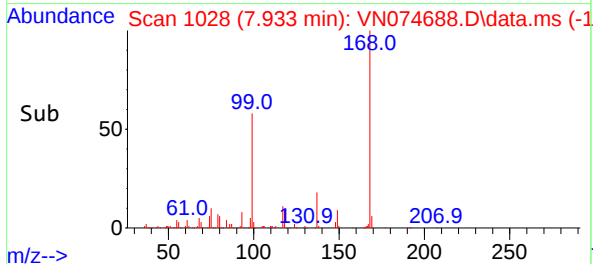
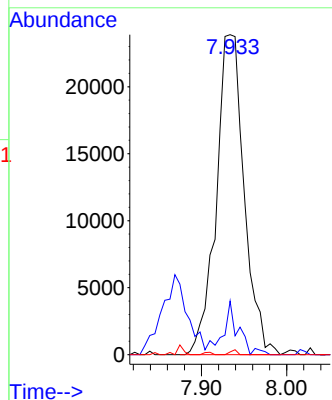
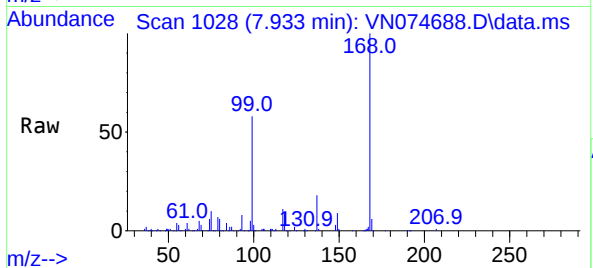




#36
1,1-Dichloropropene
Concen: 3.186 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

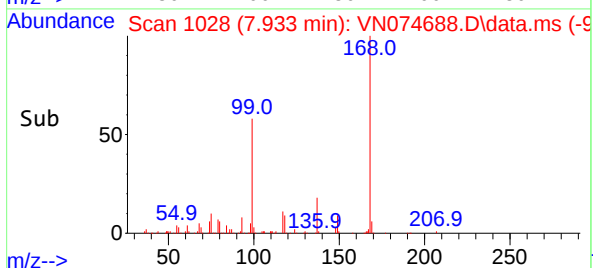
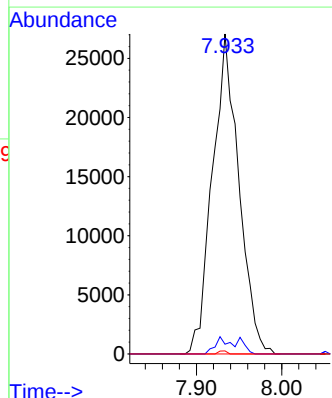
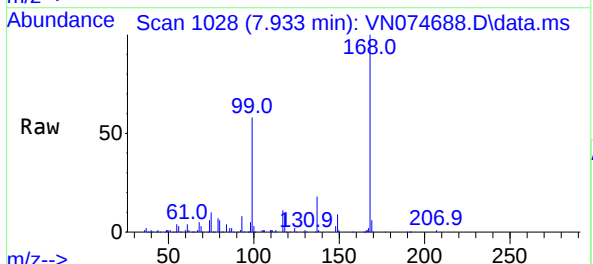
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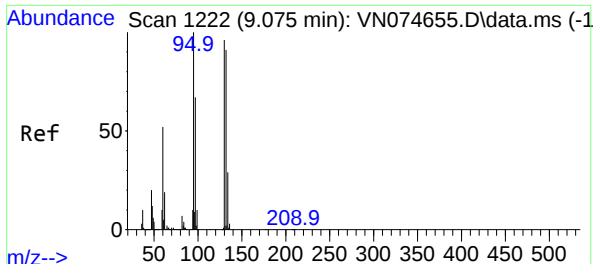
Tgt Ion: 75 Resp: 54464
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.4 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.722 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 117 Resp: 58296
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.9 24.6 37.0#

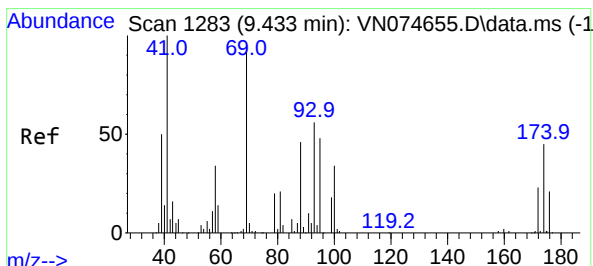
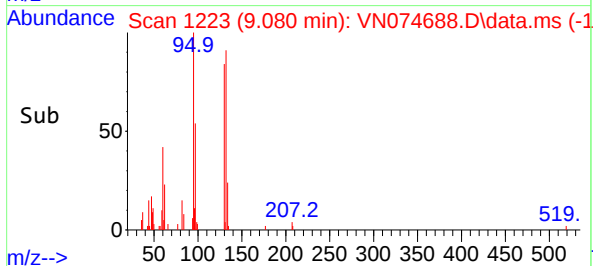
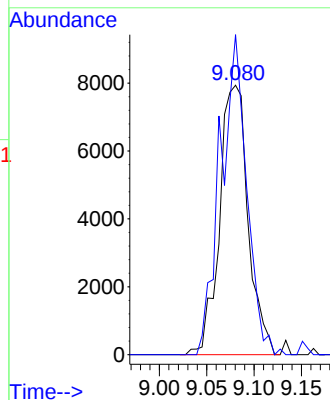
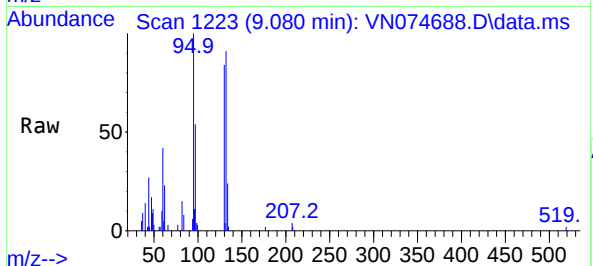




#44
Trichloroethene
Concen: 1.518 ug/l
RT: 9.080 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

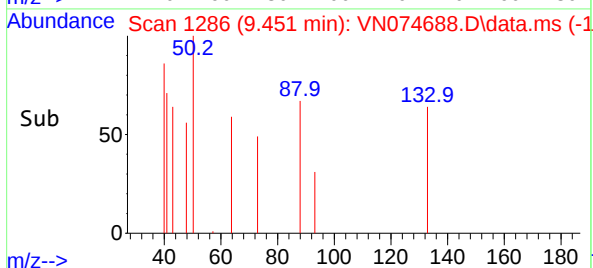
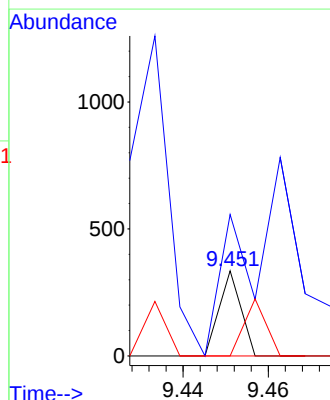
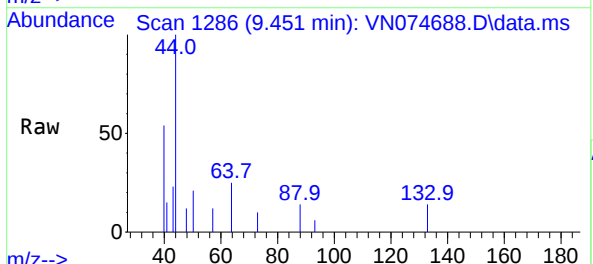
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

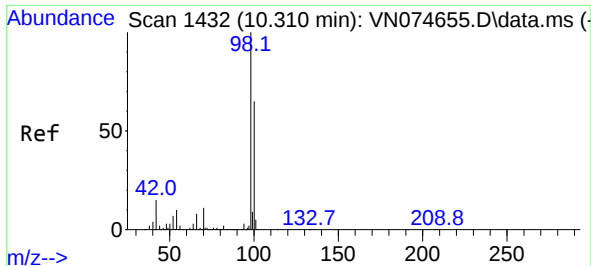
Tgt Ion:130 Resp: 16669
Ion Ratio Lower Upper
130 100
95 118.8 0.0 186.8



#49
1,4-Dioxane
Concen: 0.371 ug/l
RT: 9.451 min Scan# 1286
Delta R.T. 0.018 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 698.3 20.2 30.4#
58 66.9 54.2 81.4

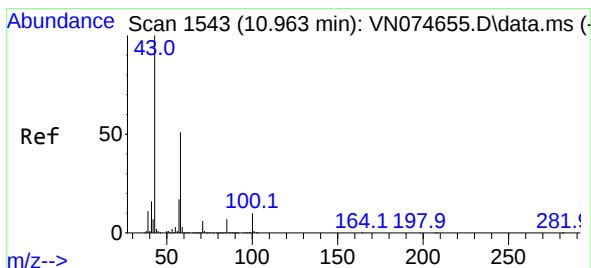
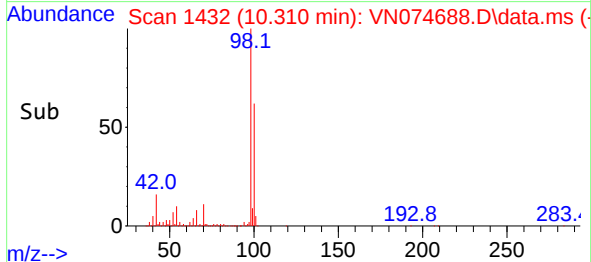
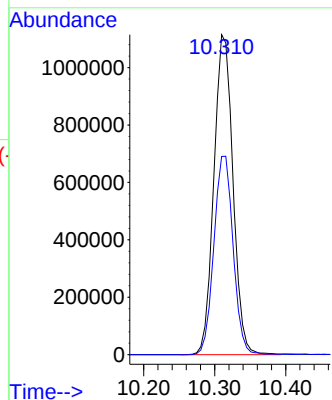
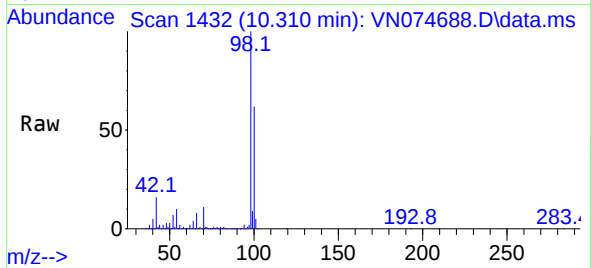




#50
Toluene-d8
Concen: 46.258 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

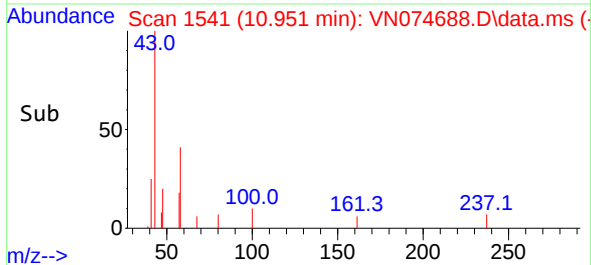
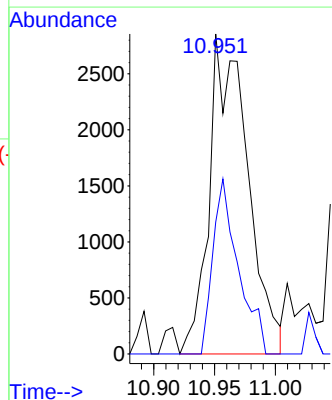
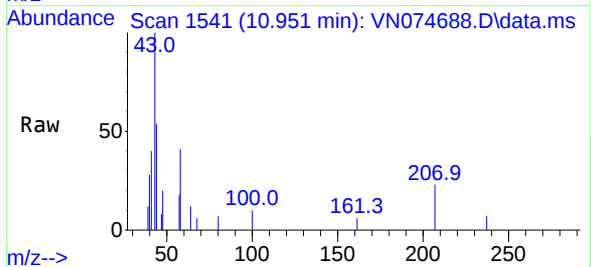
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

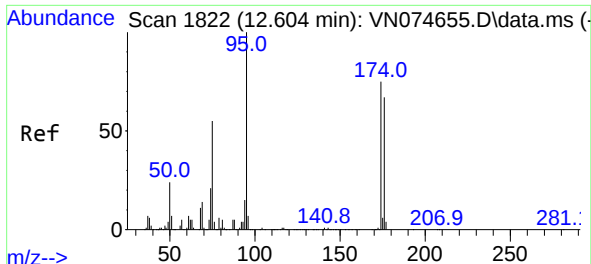
Tgt Ion: 98 Resp: 2077226
Ion Ratio Lower Upper
98 100
100 62.6 52.6 78.8



#59
2-Hexanone
Concen: 0.322 ug/l
RT: 10.951 min Scan# 1541
Delta R.T. -0.012 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 43 Resp: 6227
Ion Ratio Lower Upper
43 100
58 36.5 29.7 89.1

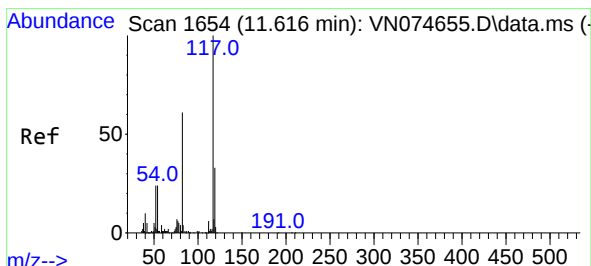
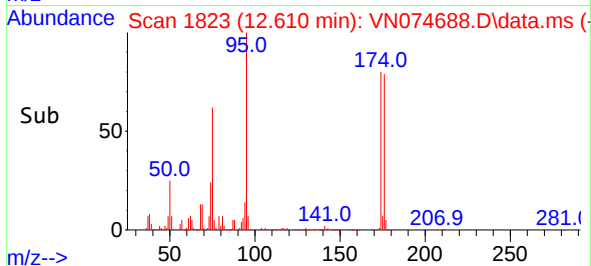
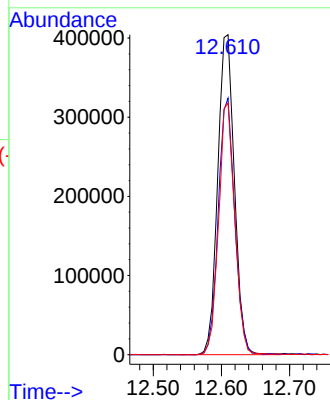
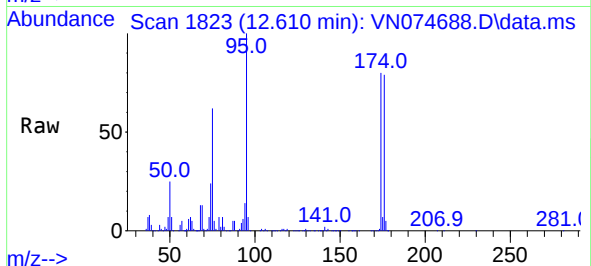




#62
4-Bromofluorobenzene
Concen: 48.461 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

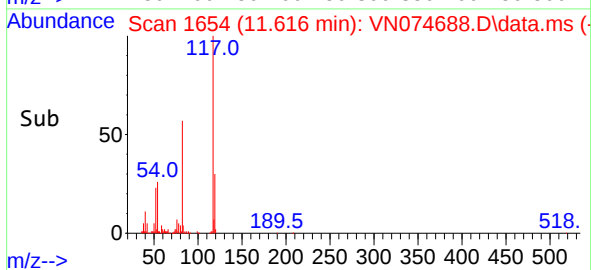
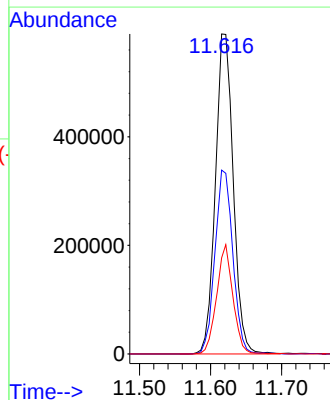
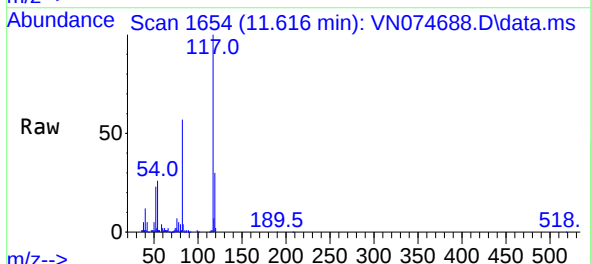
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

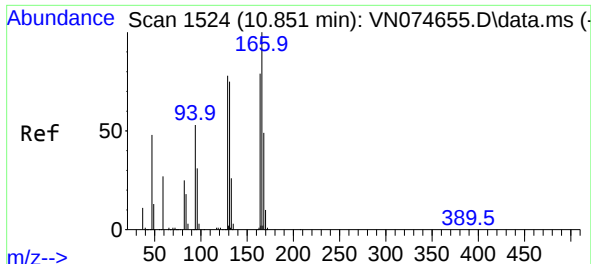
Tgt Ion: 95 Resp: 690031
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 75.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 117 Resp: 1028149
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 30.1 25.4 38.0



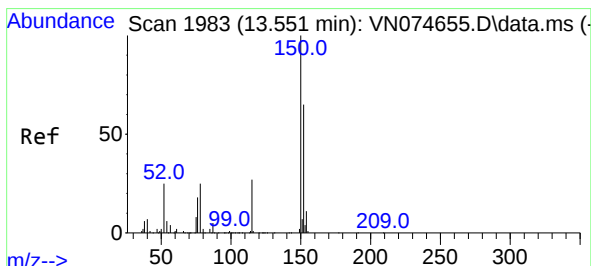
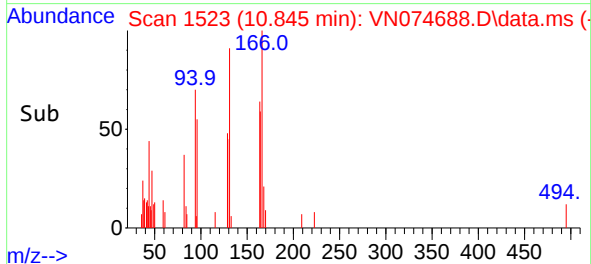
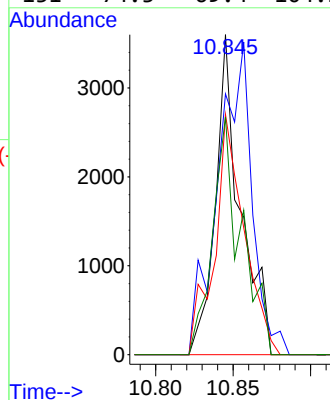
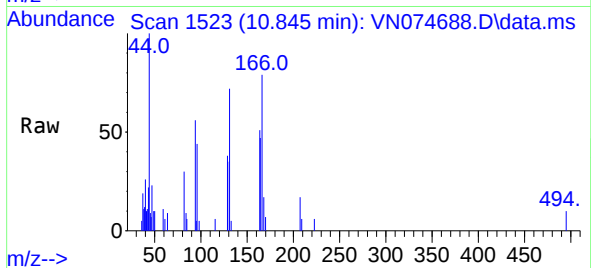


#64
Tetrachloroethene
Concen: 0.464 ug/l
RT: 10.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

Tgt Ion:164 Resp: 4036

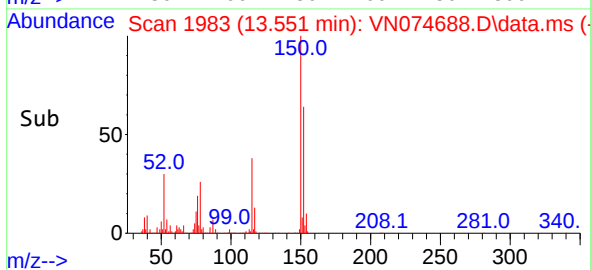
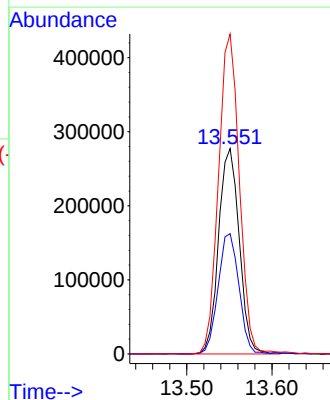
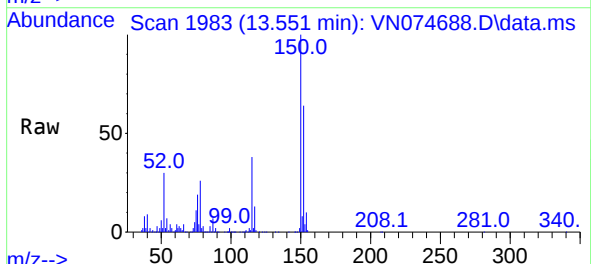
Ion	Ratio	Lower	Upper
164	100		
166	81.5	104.2	156.2#
129	75.1	73.9	110.9
131	74.3	69.4	104.2

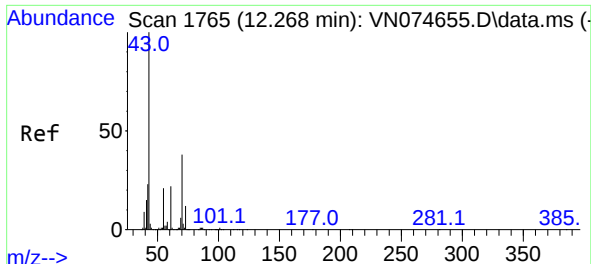


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion:152 Resp: 466653

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	158.0	0.0	356.2

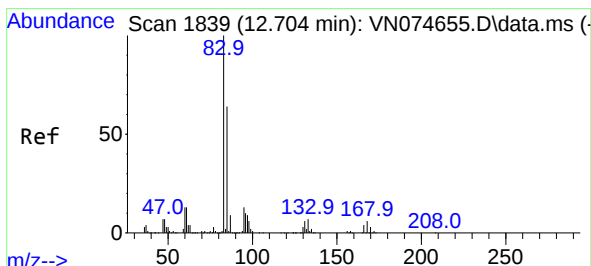
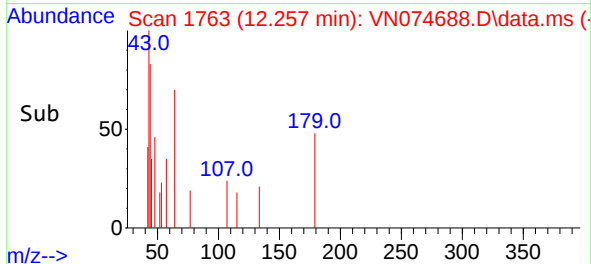
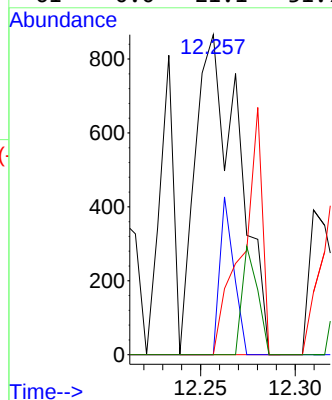
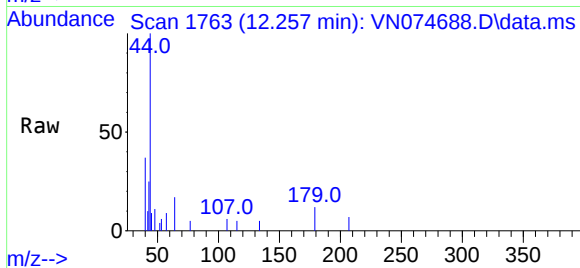




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.257 min Scan# 1
Delta R.T. -0.011 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

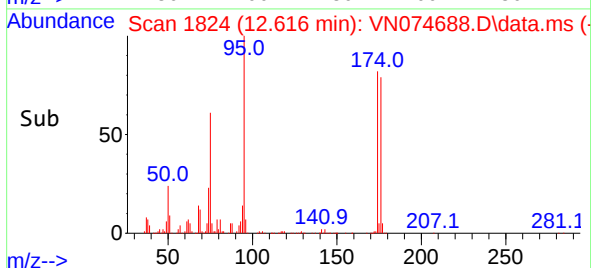
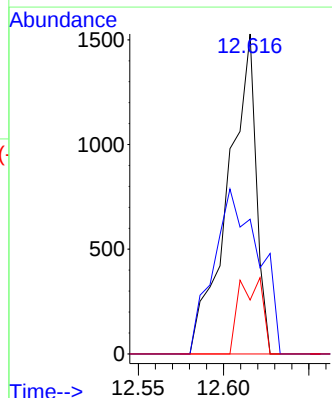
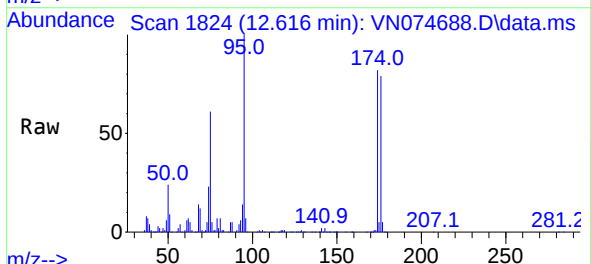
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

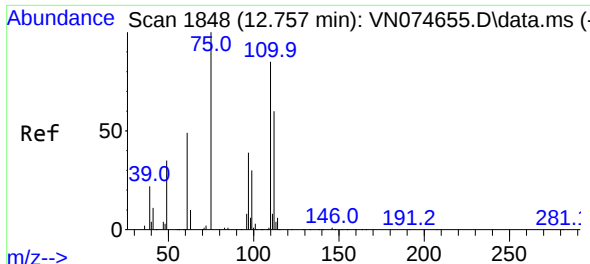
Tgt Ion: 43	Resp: 1386
Ion Ratio	Lower Upper
43 100	
70 15.9	39.0 58.4#
55 0.0	21.1 31.7#
61 0.0	21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.616 min Scan# 1824
Delta R.T. -0.088 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

Tgt Ion: 83	Resp:	1765	
Ion	Ratio	Lower	Upper
83	100		
131	82.1	5.3	15.9#
85	19.4	32.3	96.9#

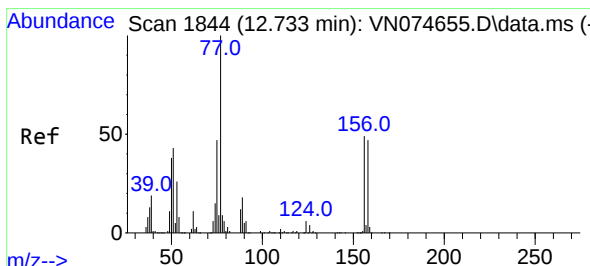
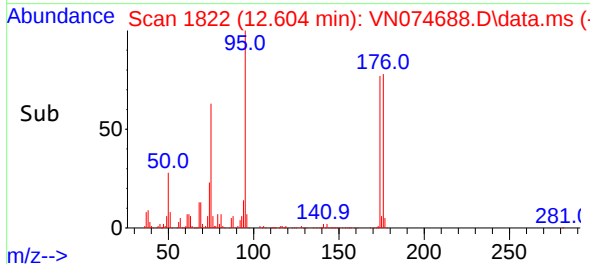
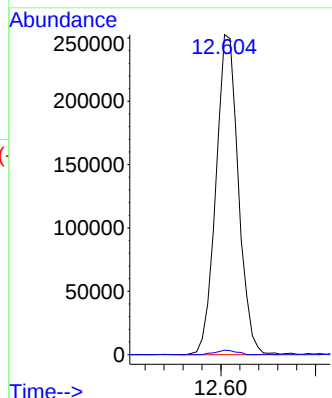
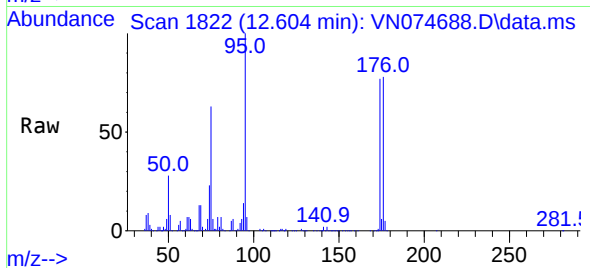




#76
1,2,3-Trichloropropane
Concen: 39.386 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

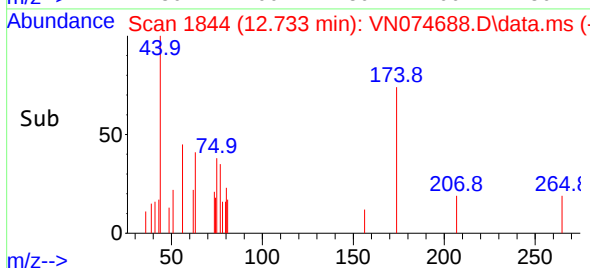
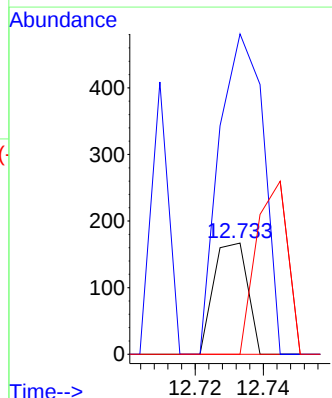
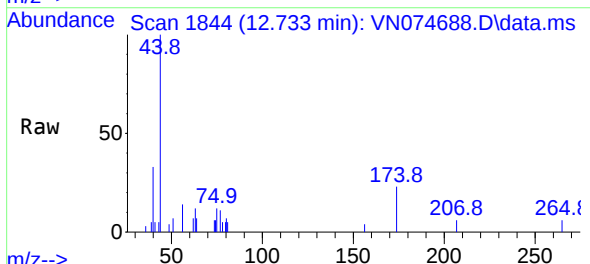
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-093022

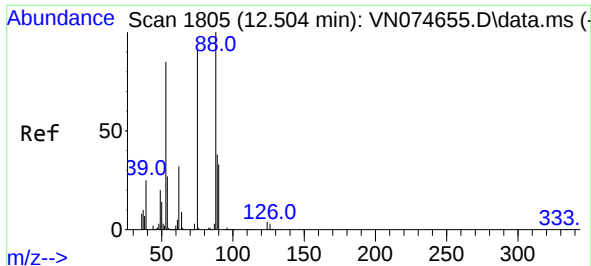
Tgt Ion: 75 Resp: 416118
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.733 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VN074688.D
Acq: 01 Oct 2022 04:24

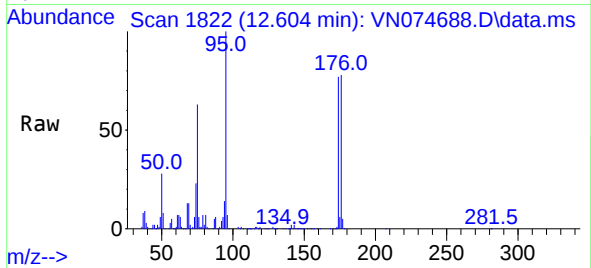
Tgt Ion:156 Resp: 115
Ion Ratio Lower Upper
156 100
77 377.4 100.5 301.5#
158 144.3 48.9 146.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.517 ug/l
 RT: 12.604 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074688.D
 Acq: 01 Oct 2022 04:24

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-01B-64-69-093022



Tgt Ion: 75 Resp: 416118
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

