

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074191.D
 Acq On : 31 Aug 2022 02:11
 Operator : JC\MD
 Sample : PB147312TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147312TB

Quant Time: Aug 31 07:06:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

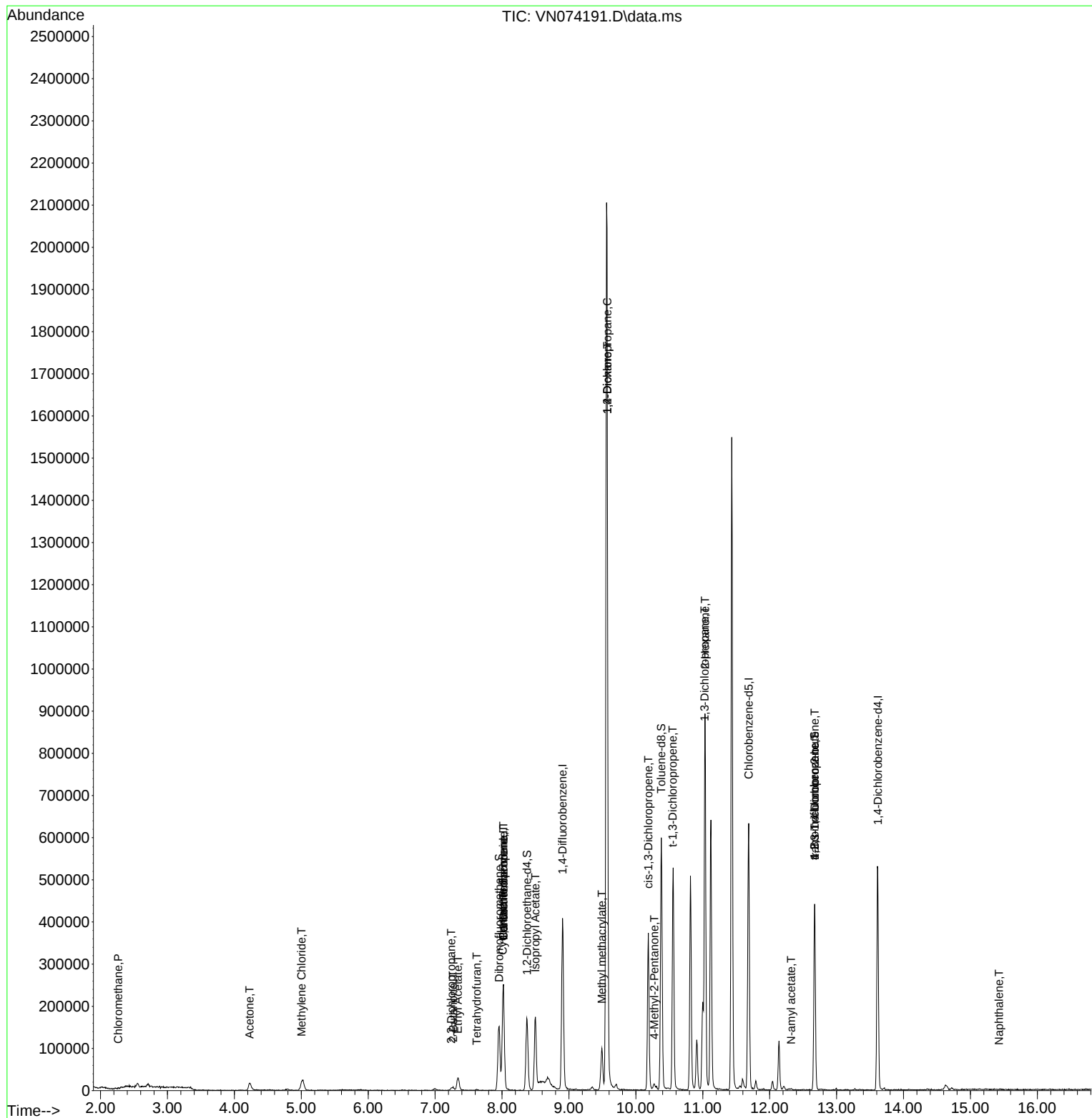
Internal Standards						
1) Pentafluorobenzene	8.022	168	172806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	329196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	338578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	130647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	130697	48.756	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.520%		
35) Dibromofluoromethane	7.957	113	107739	50.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.580%		
50) Toluene-d8	10.381	98	378872	44.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.820%		
62) 4-Bromofluorobenzene	12.669	95	135744	52.912	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.820%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	566	0.225	ug/l #	43
6) Chloroethane	2.946	64	353	Below Cal	#	42
11) Tert butyl alcohol	5.281	59	191	Below Cal	#	1
16) Acetone	4.228	43	33381	18.636	ug/l #	77
18) Methyl Acetate	4.799	43	6856	Below Cal	#	67
20) Methylene Chloride	5.004	84	7943	1.153	ug/l	93
25) 2-Butanone	7.269	43	10941	3.818	ug/l	89
26) 2,2-Dichloropropane	7.240	77	127	0.311	ug/l #	53
29) Tetrahydrofuran	7.622	42	554	0.304	ug/l #	76
31) Cyclohexane	8.010	56	5478	1.237	ug/l #	39
36) 1,1-Dichloropropene	8.022	75	17034	4.901	ug/l #	51
37) Ethyl Acetate	7.340	43	47069	8.098	ug/l #	94
38) Carbon Tetrachloride	8.022	117	17173	5.443	ug/l #	17
43) Isopropyl Acetate	8.498	43	207164	26.512	ug/l #	82
45) 1,2-Dichloropropane	9.575	63	2453	0.832	ug/l #	44
48) Methyl methacrylate	9.492	41	7554	2.035	ug/l #	39
49) 1,4-Dioxane	9.575	88	92	1.149	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	9543	1.683	ug/l	90
53) t-1,3-Dichloropropene	10.551	75	1324	0.362	ug/l #	43
54) cis-1,3-Dichloropropene	10.186	75	58135	14.201	ug/l #	75
57) 1,3-Dichloropropane	11.028	76	8237	1.703	ug/l #	42
59) 2-Hexanone	11.033	43	132359	30.755	ug/l #	47
74) N-amyl acetate	12.322	43	1832	0.289	ug/l #	43
76) 1,2,3-Trichloropropane	12.675	75	78954	24.258	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	78954	62.728	ug/l #	11
95) Naphthalene	15.427	128	369	1.188	ug/l #	69

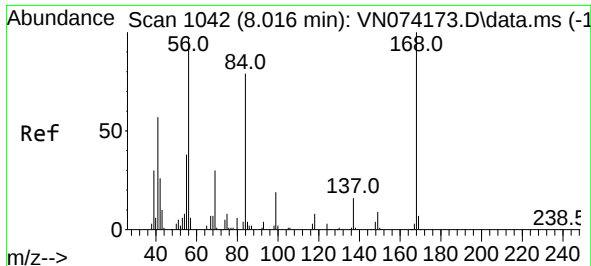
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
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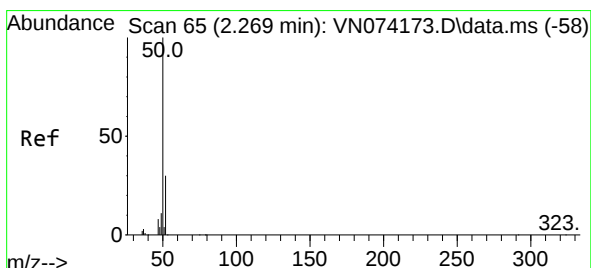
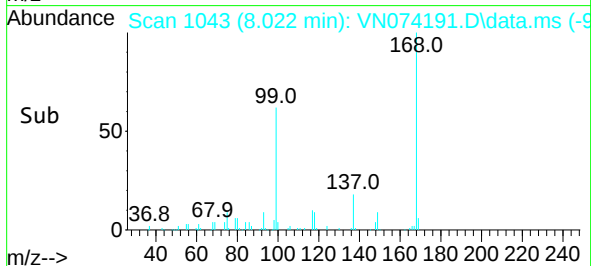
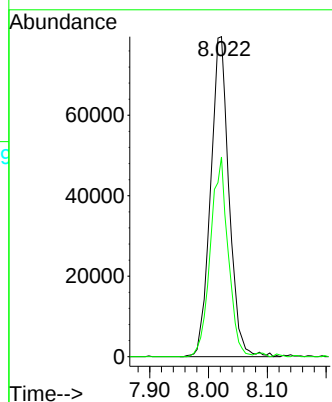
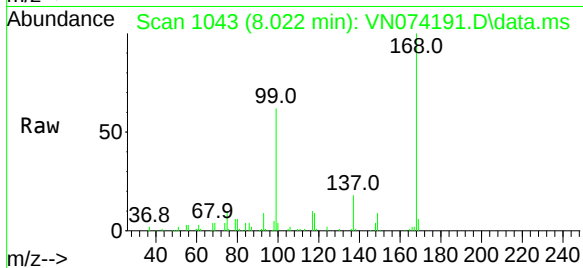




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

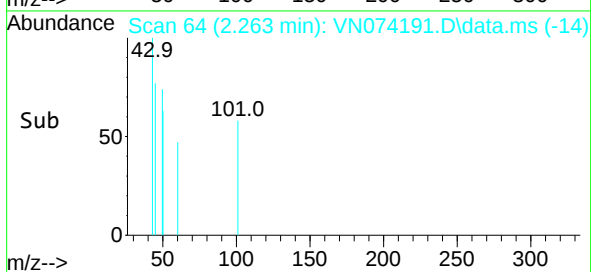
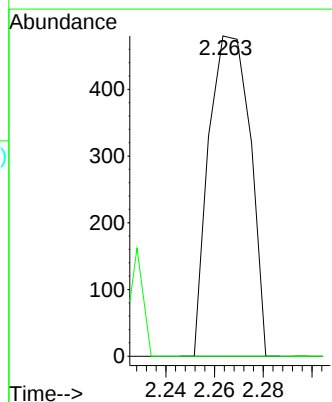
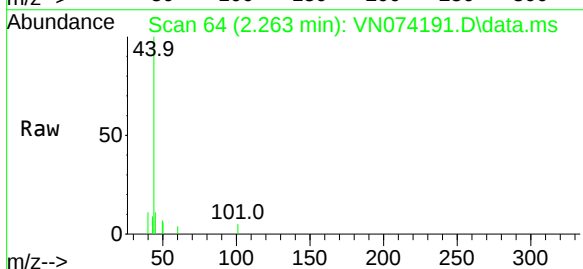
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

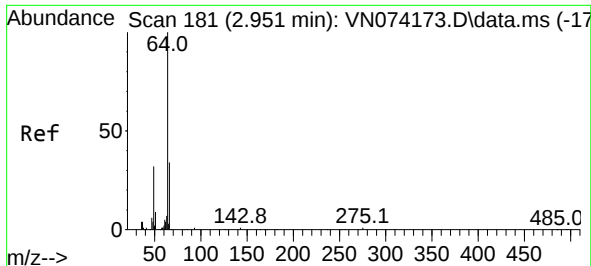
Tgt Ion:168 Resp: 172806
Ion Ratio Lower Upper
168 100
99 62.4 42.3 63.5



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

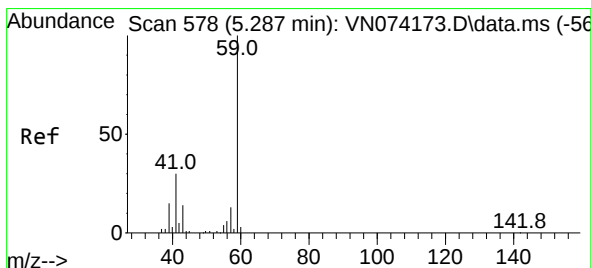
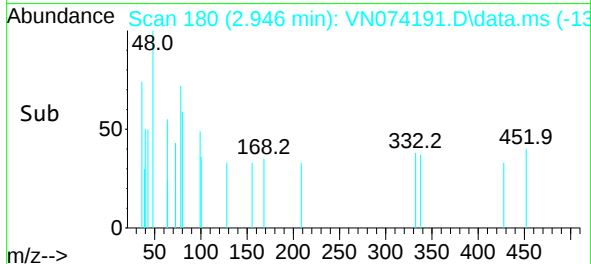
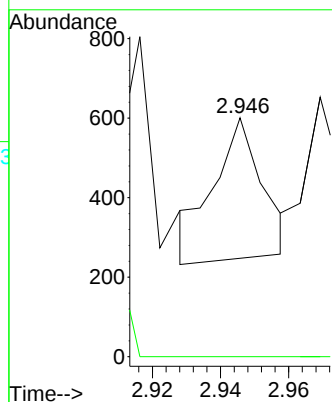
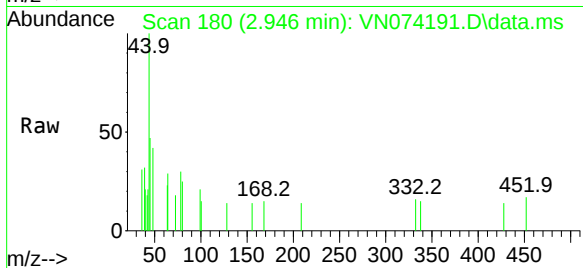




#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

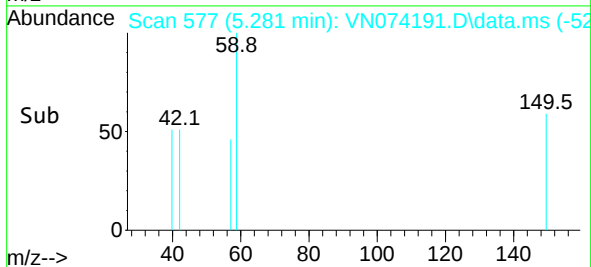
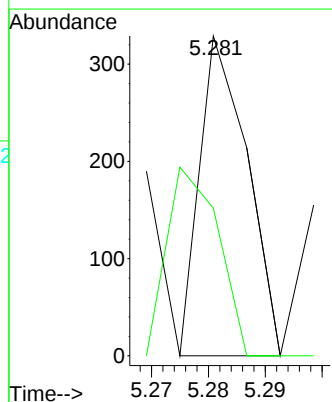
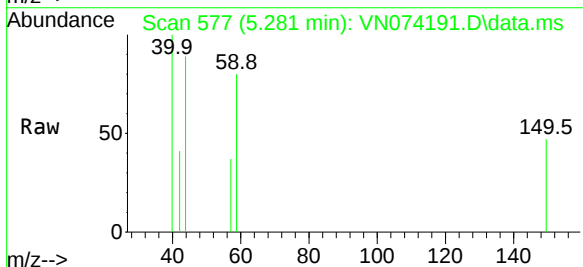
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

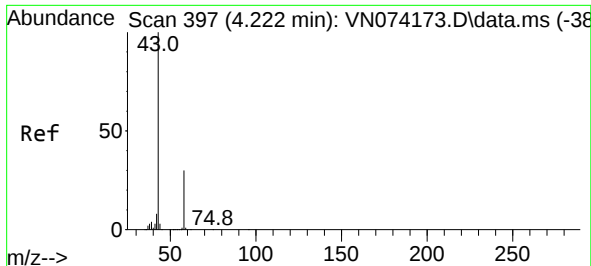
Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 63.9 8.3 12.5#

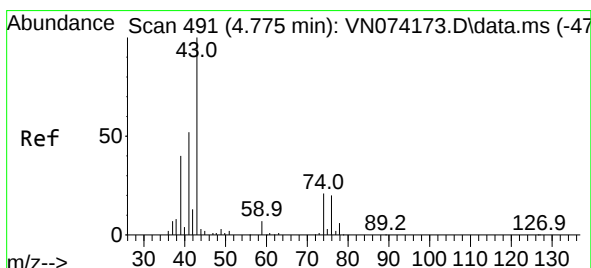
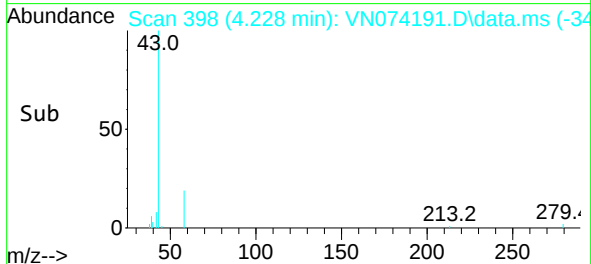
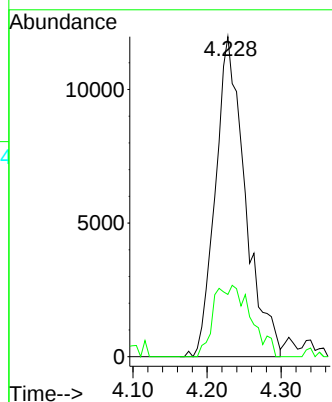
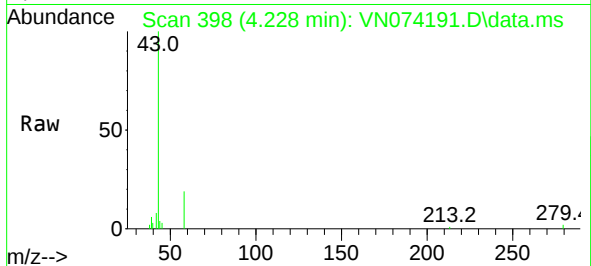




#16
Acetone
Concen: 18.636 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

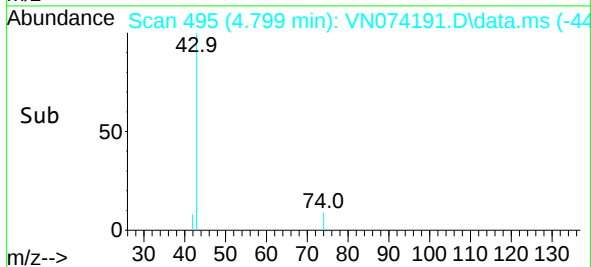
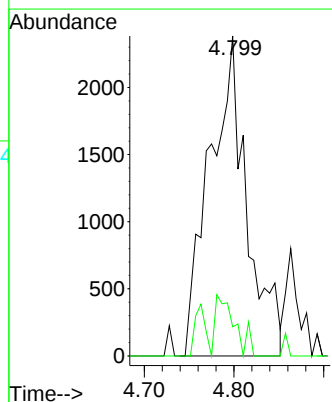
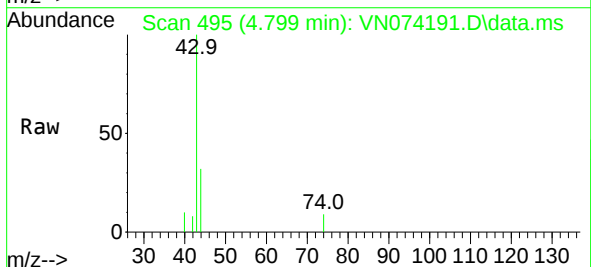
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

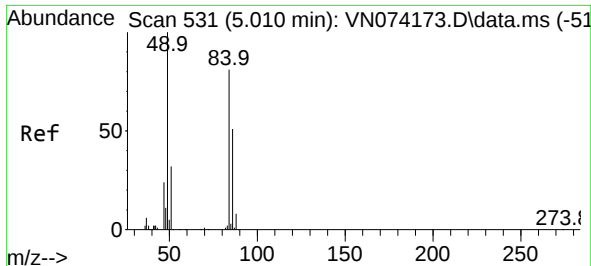
Tgt Ion: 43 Resp: 33381
Ion Ratio Lower Upper
43 100
58 19.5 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.799 min Scan# 495
Delta R.T. 0.024 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

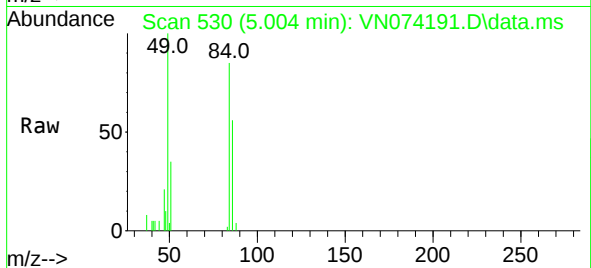
Tgt Ion: 43 Resp: 6856
Ion Ratio Lower Upper
43 100
74 10.0 21.6 32.4#



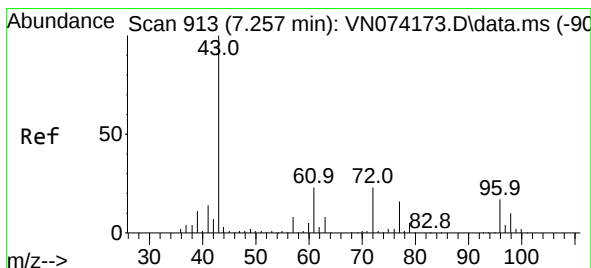
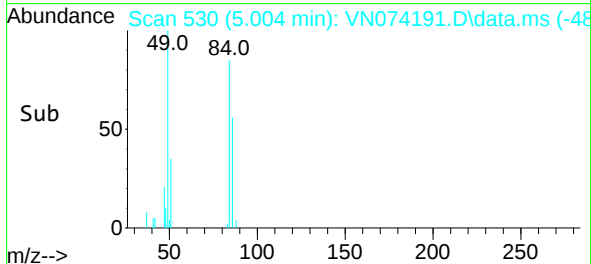
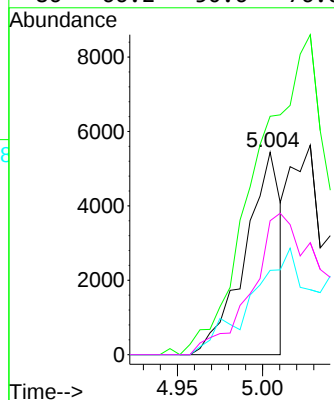


#20
Methylene Chloride
Concen: 1.153 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

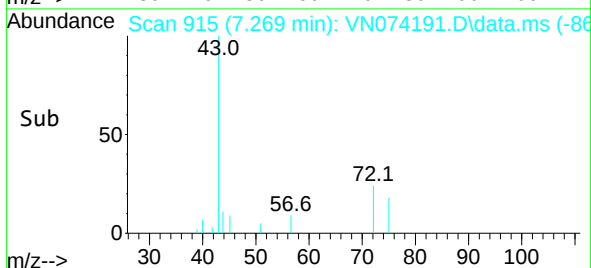
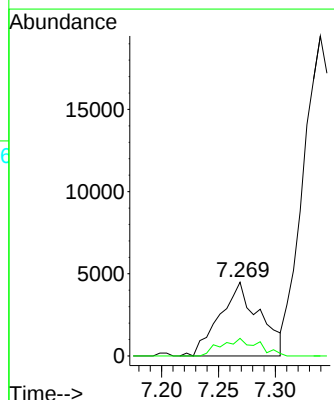
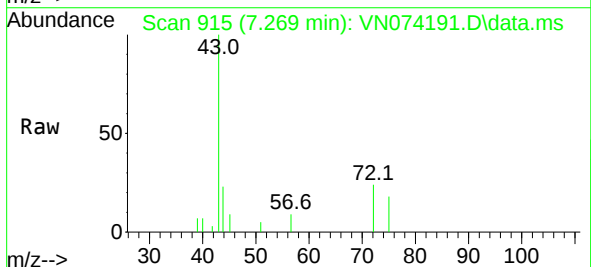


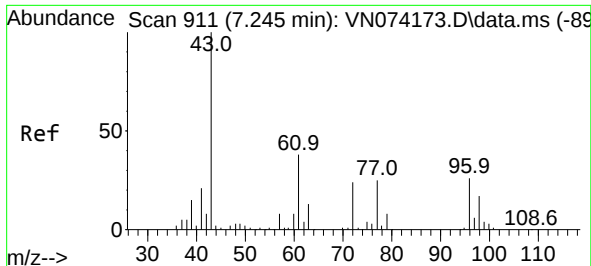
Tgt Ion: 84	Resp: 7943
Ion Ratio	Lower Upper
84 100	
49 117.8	88.3 132.5
51 41.7	28.2 42.2
86 66.2	50.6 76.0



#25
2-Butanone
Concen: 3.818 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 43	Resp: 10941
Ion Ratio	Lower Upper
43 100	
72 23.9	23.7 35.5





#26

2,2-Dichloropropane

Concen: 0.311 ug/l

RT: 7.240 min Scan# 911

Delta R.T. -0.005 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

Instrument :

MSVOA_N

ClientSampleId :

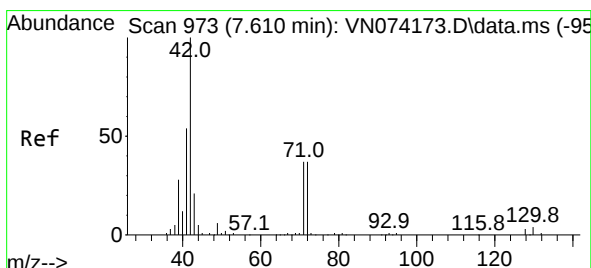
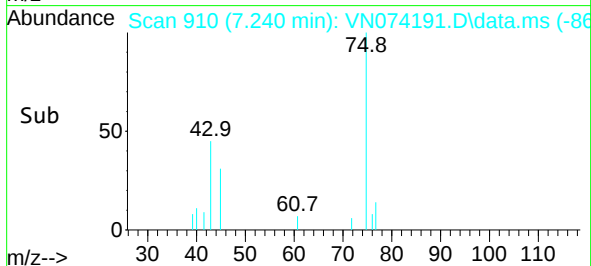
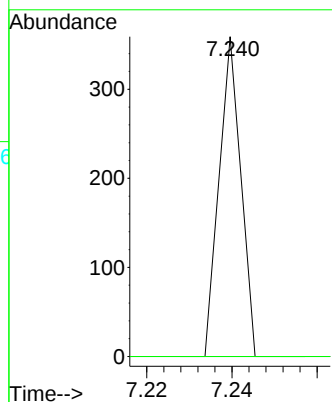
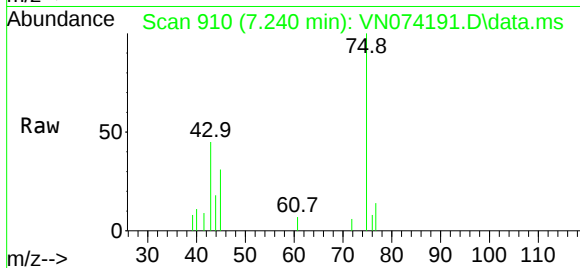
PB147312TB

Tgt Ion: 77 Resp: 127

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

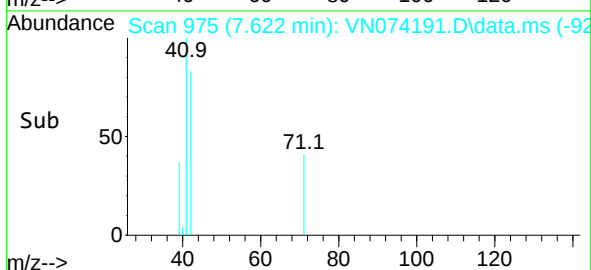
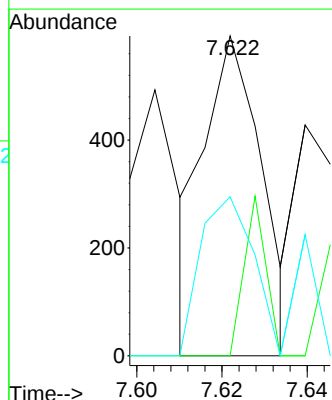
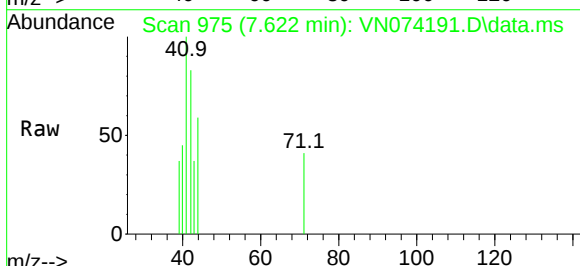
Tgt Ion: 42 Resp: 554

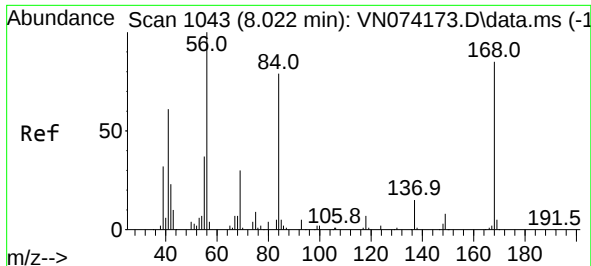
Ion Ratio Lower Upper

42 100

72 18.8 39.7 59.5#

71 46.4 36.6 55.0

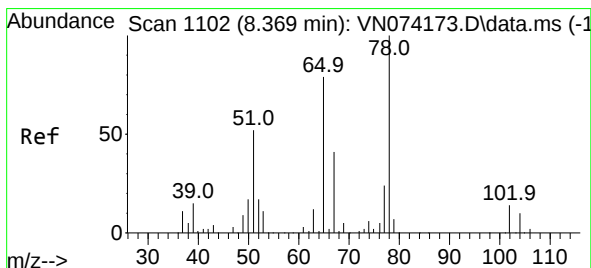
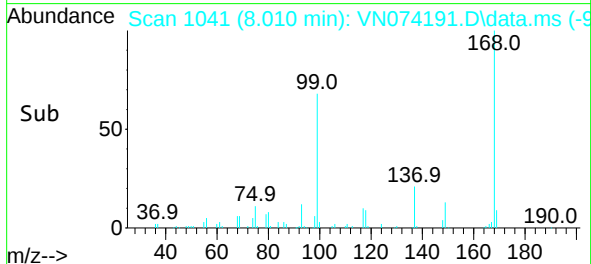
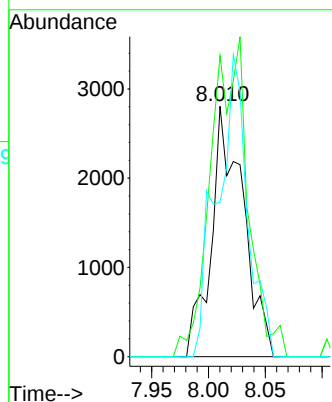
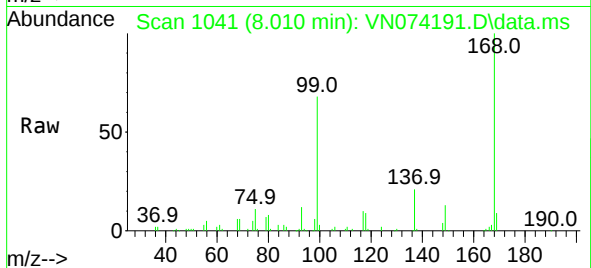




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.010 min Scan# 1103
Delta R.T. -0.012 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

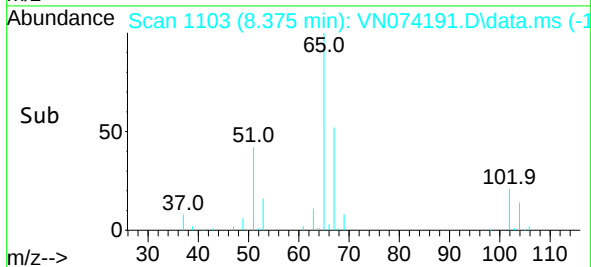
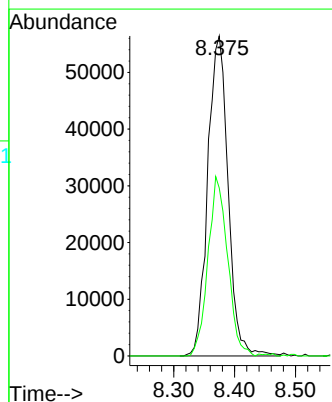
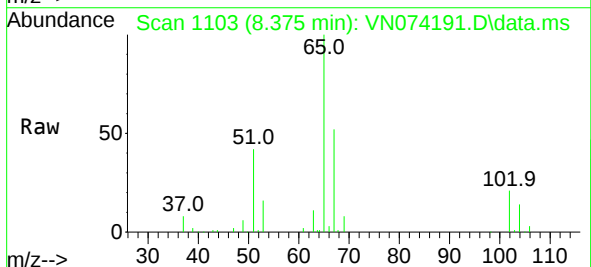
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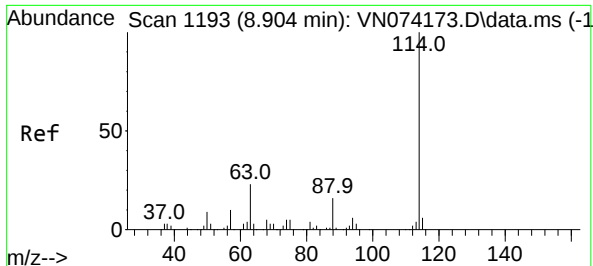
Tgt Ion: 56 Resp: 5478
Ion Ratio Lower Upper
56 100
69 112.0 27.8 41.8#
84 61.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.756 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 65 Resp: 130697
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

Instrument :

MSVOA_N

ClientSampleId :

PB147312TB

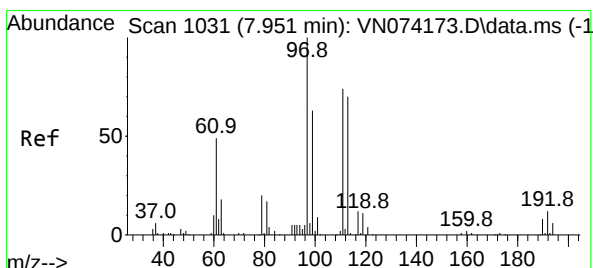
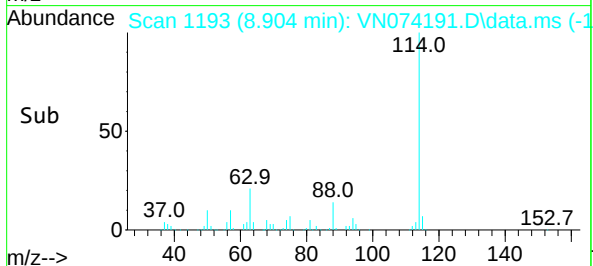
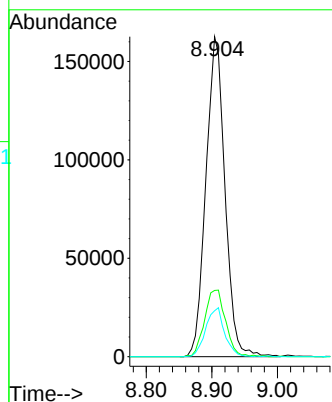
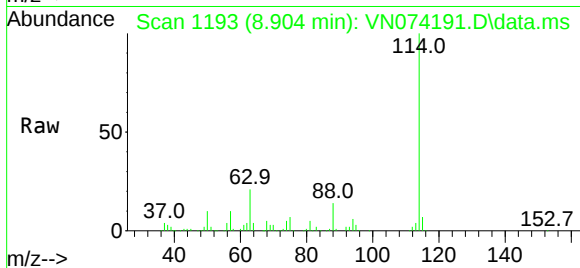
Tgt Ion:114 Resp: 329196

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.295 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

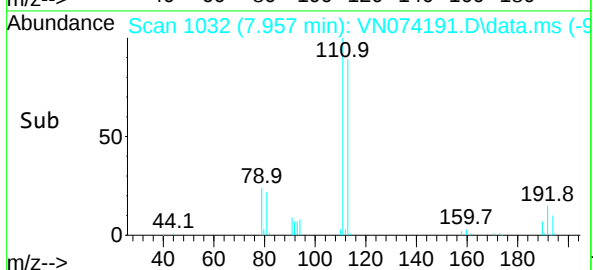
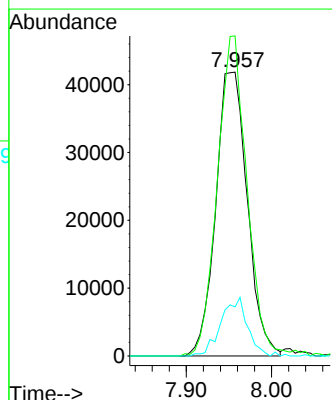
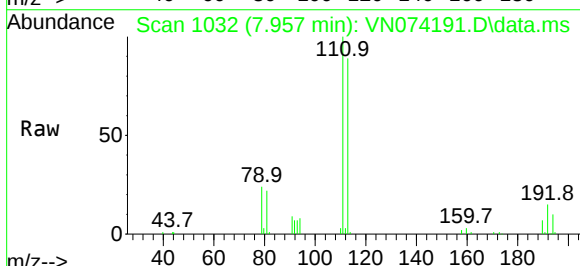
Tgt Ion:113 Resp: 107739

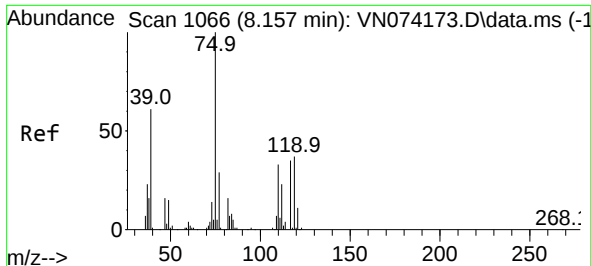
Ion Ratio Lower Upper

113 100

111 105.8 81.4 122.0

192 17.1 17.0 25.6

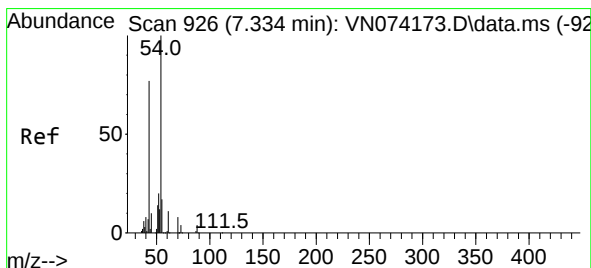
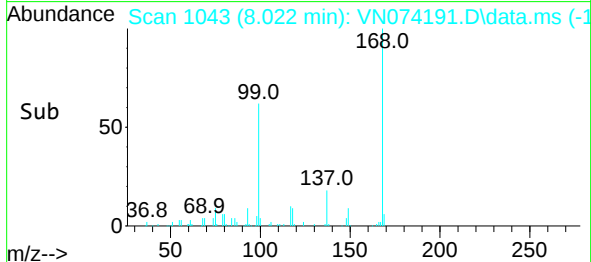
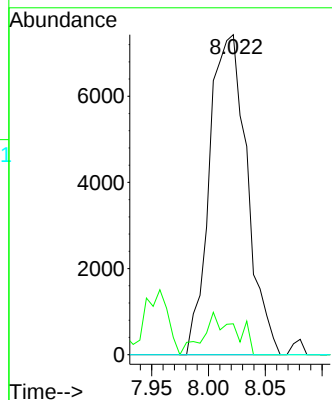
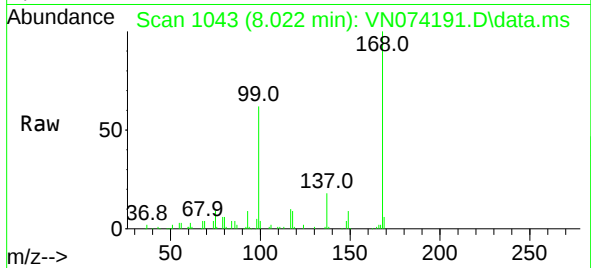




#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.135 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

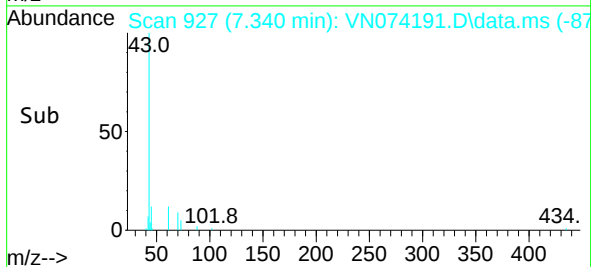
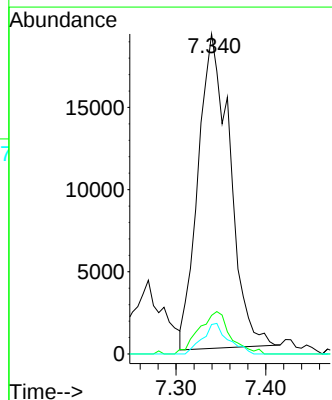
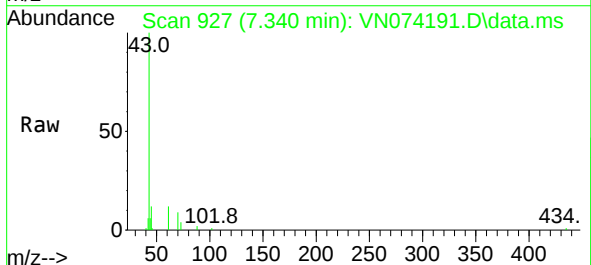
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

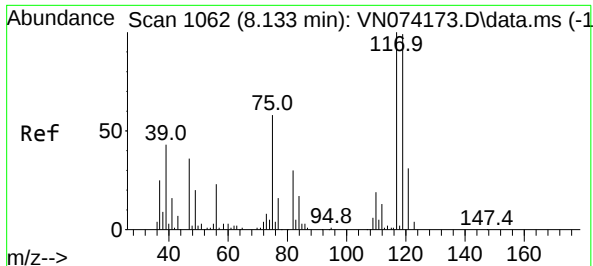
Tgt Ion: 75 Resp: 17034
Ion Ratio Lower Upper
75 100
110 11.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.098 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 43 Resp: 47069
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 7.8 9.3 13.9#

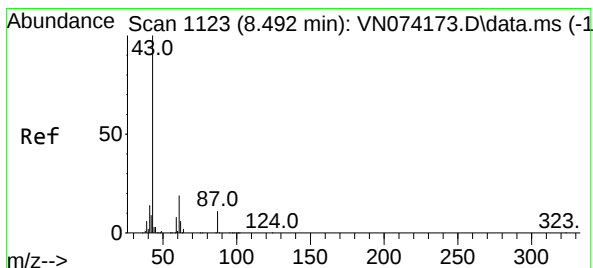
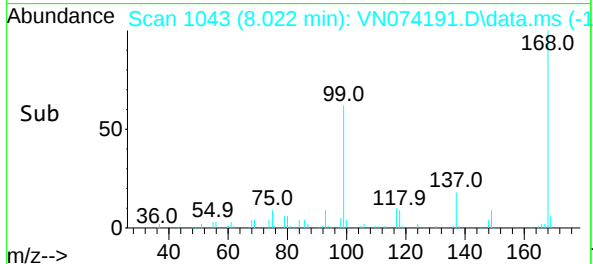
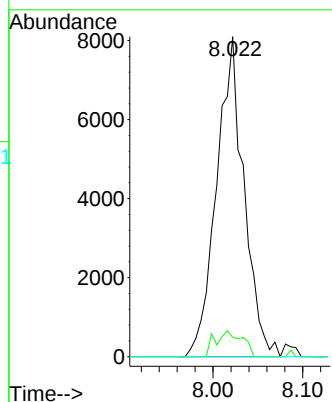
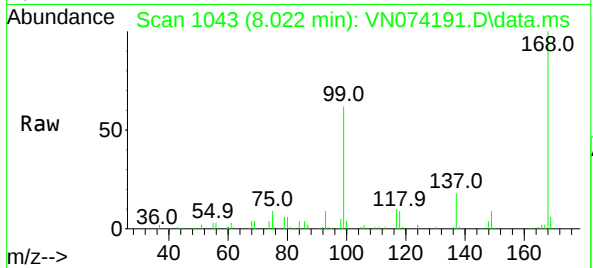




#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 8.022 min Scan# 110
Delta R.T. -0.111 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

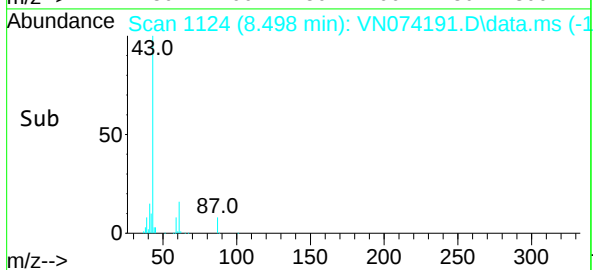
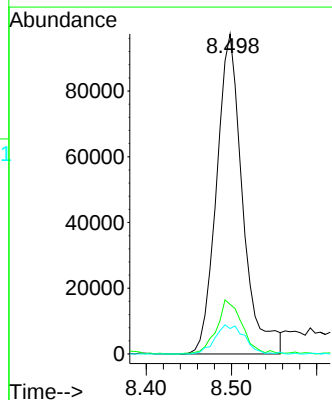
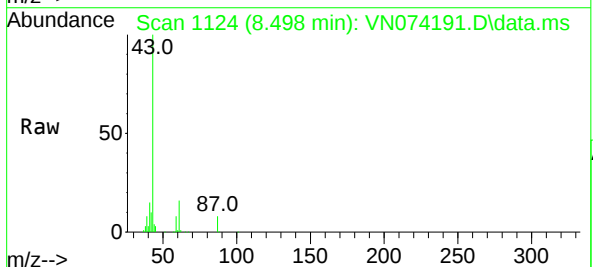
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

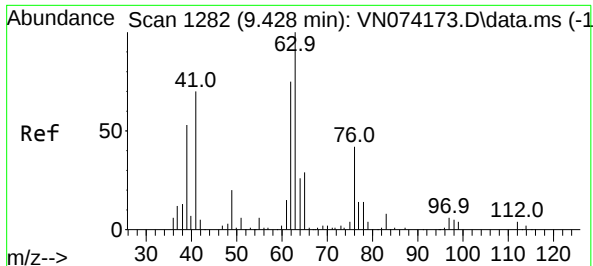
Tgt Ion:117 Resp: 17173
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 26.512 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 43 Resp: 207164
Ion Ratio Lower Upper
43 100
61 16.5 21.9 32.9#
87 10.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.832 ug/l

RT: 9.575 min Scan# 11

Delta R.T. 0.147 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

Instrument :

MSVOA_N

ClientSampleId :

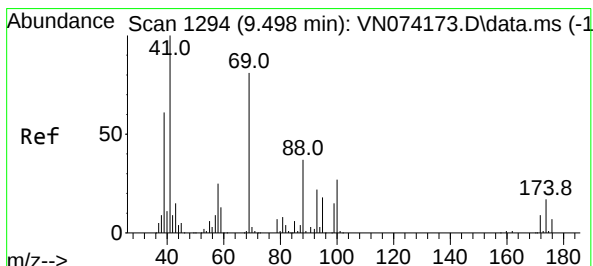
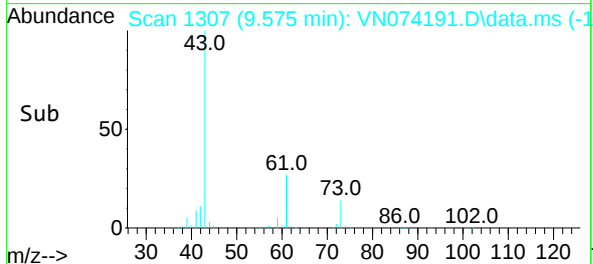
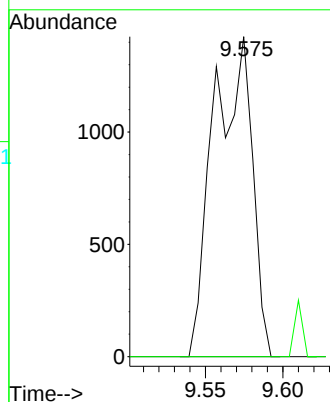
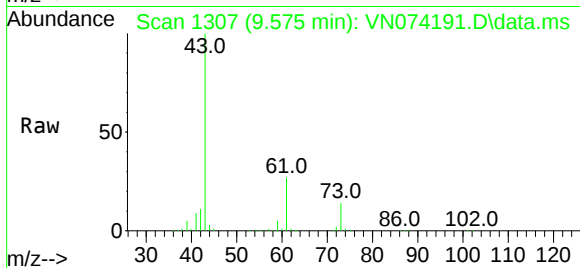
PB147312TB

Tgt Ion: 63 Resp: 2453

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.035 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN074191.D

Acq: 31 Aug 2022 02:11

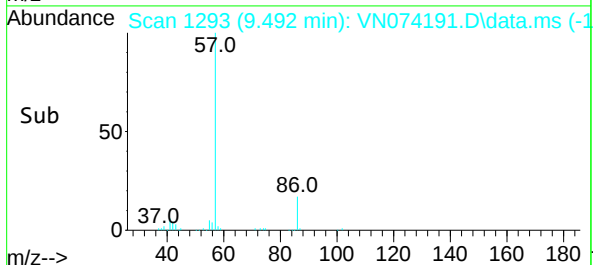
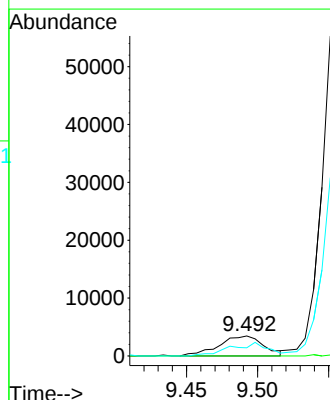
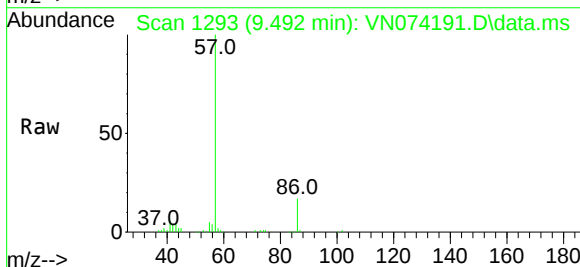
Tgt Ion: 41 Resp: 7554

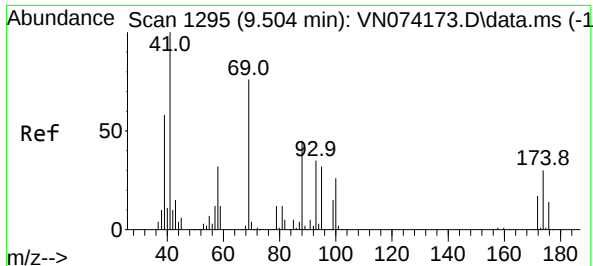
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 56.5 45.6 68.4

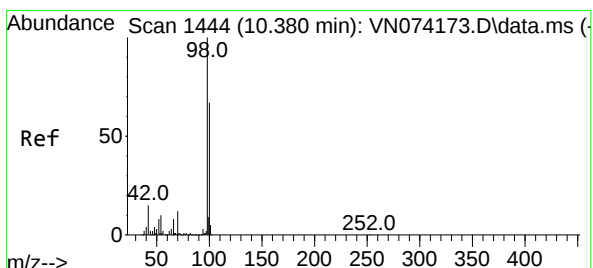
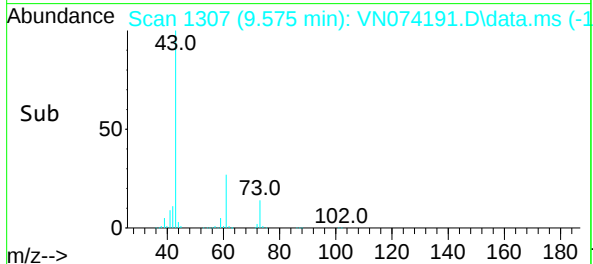
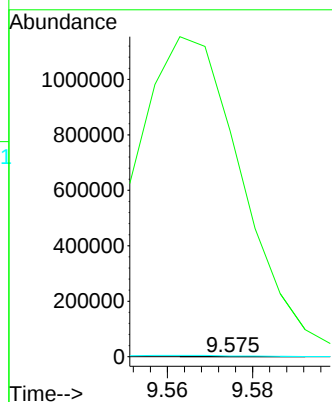
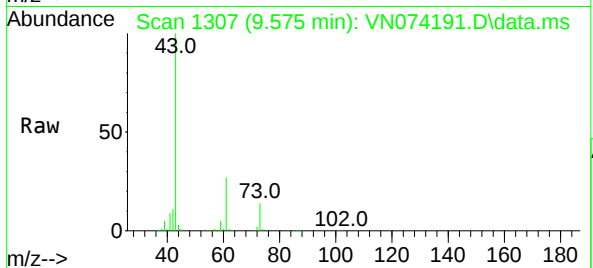




#49
1,4-Dioxane
Concen: 1.149 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.071 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

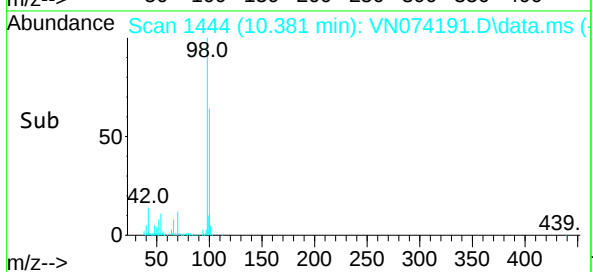
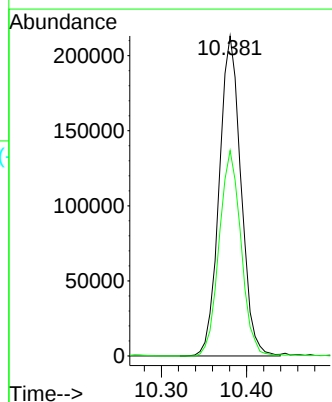
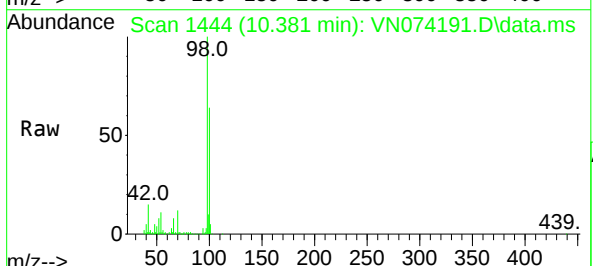
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

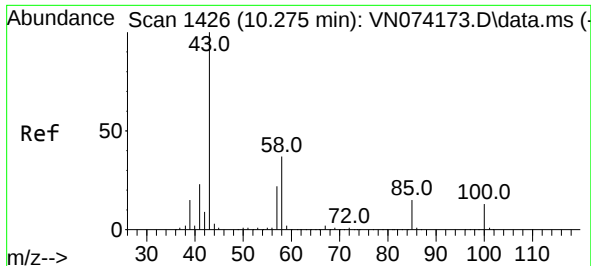
Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 2328465.2 20.2 30.4#
58 11242.4 54.2 81.4#



#50
Toluene-d8
Concen: 44.911 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 98 Resp: 378872
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

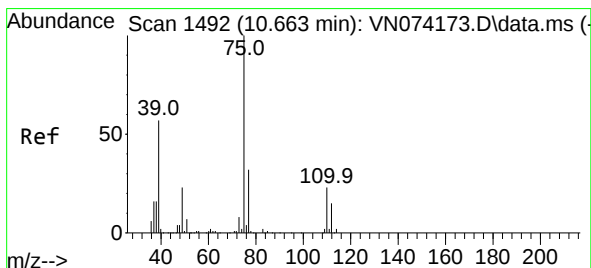
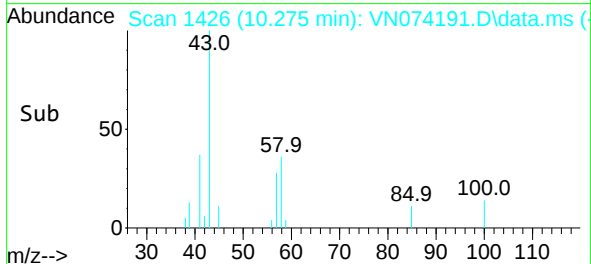
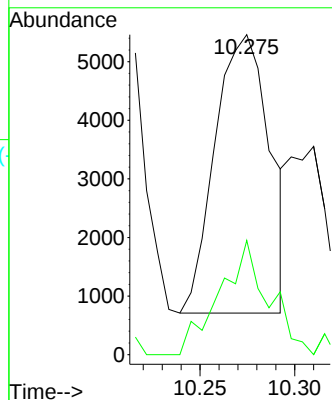
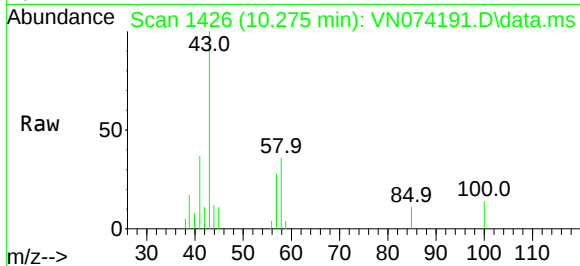




#51
4-Methyl-2-Pentanone
Concen: 1.683 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

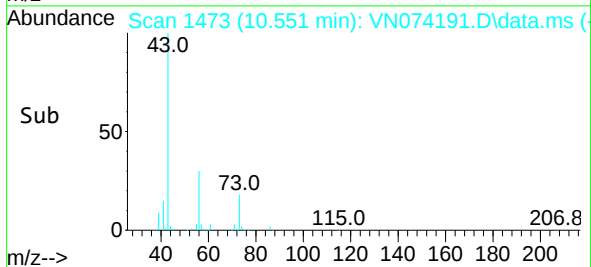
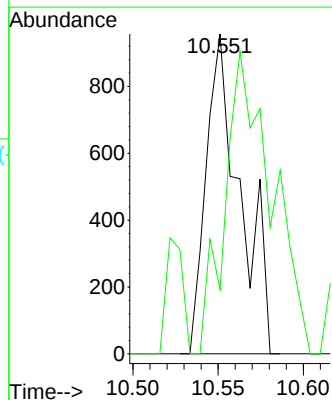
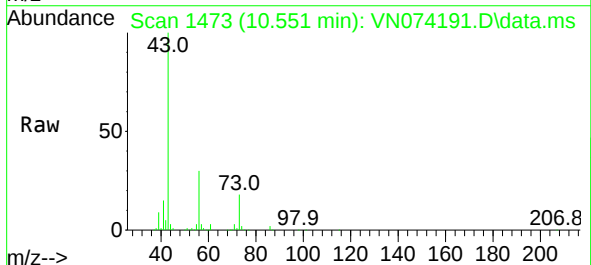
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

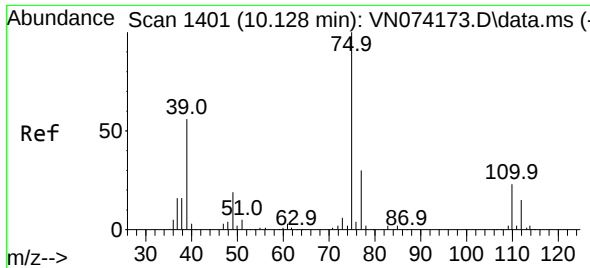
Tgt Ion: 43 Resp: 9543
Ion Ratio Lower Upper
43 100
58 36.2 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.362 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 75 Resp: 1324
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

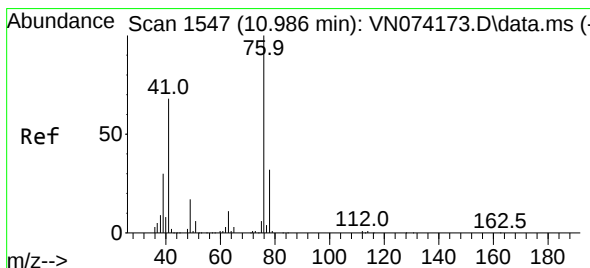
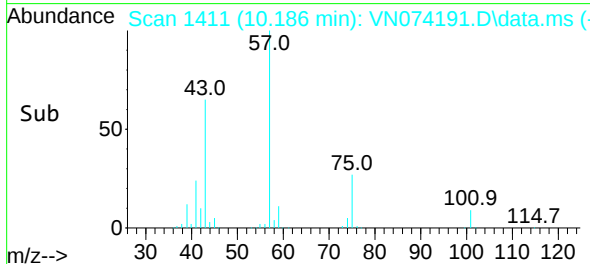
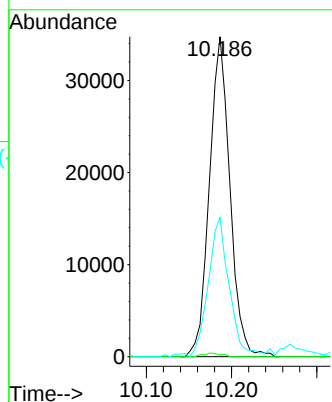
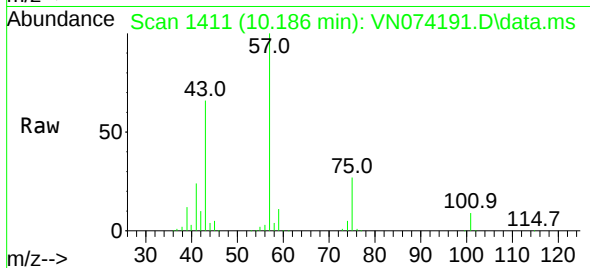




#54
cis-1,3-Dichloropropene
Concen: 14.201 ug/l
RT: 10.186 min Scan# 1401
Delta R.T. 0.059 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

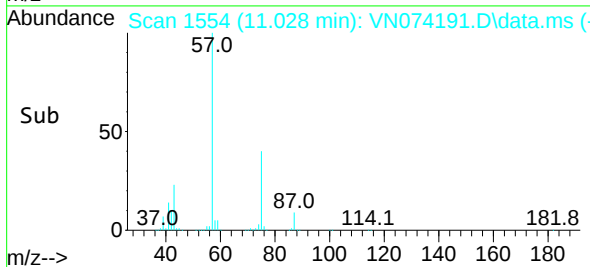
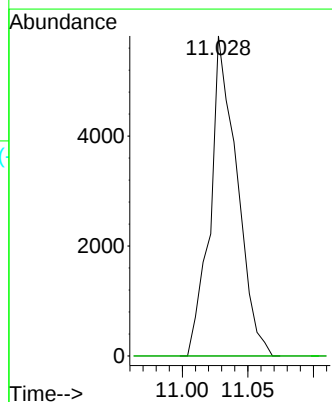
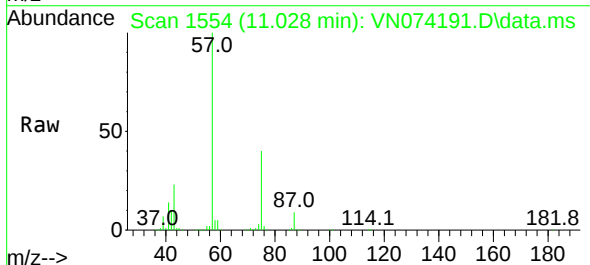
Instrument :
MSVOA_N
ClientSampleId :
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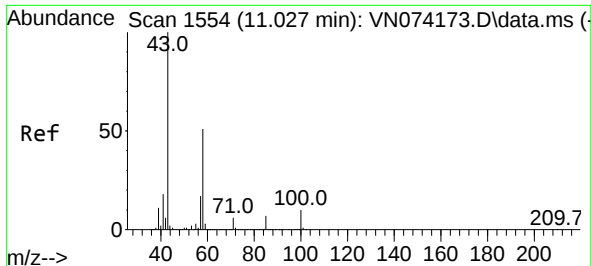
Tgt Ion: 75 Resp: 58135
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 42.8 35.7 53.5



#57
1,3-Dichloropropane
Concen: 1.703 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.041 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 76 Resp: 8237
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

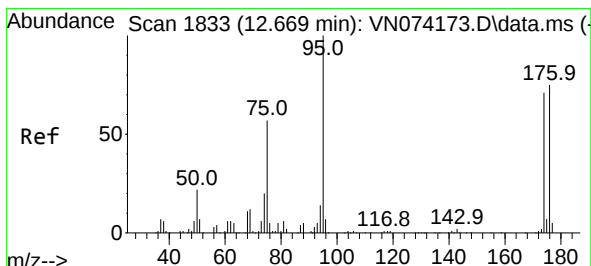
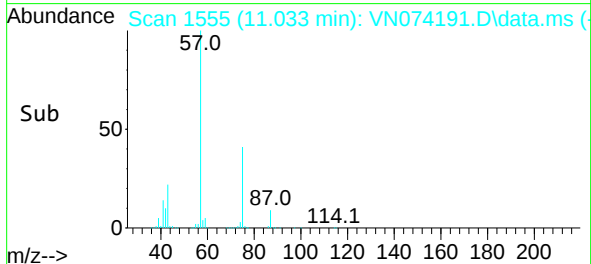
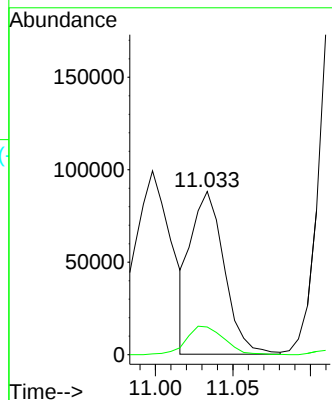
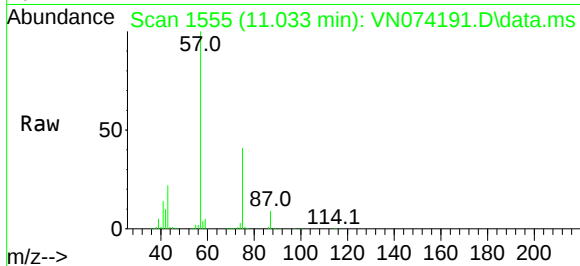




#59
2-Hexanone
Concen: 30.755 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

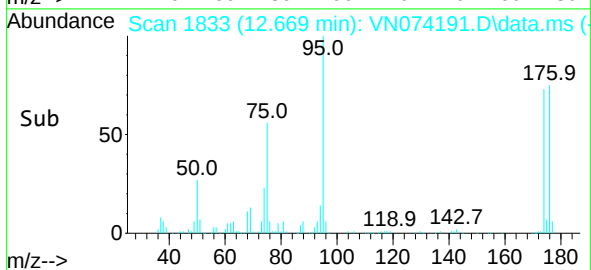
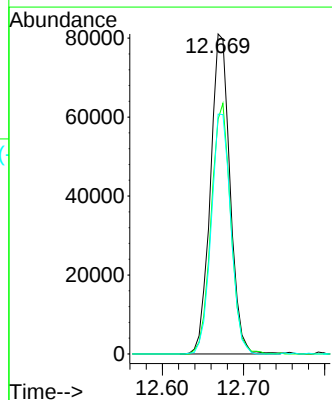
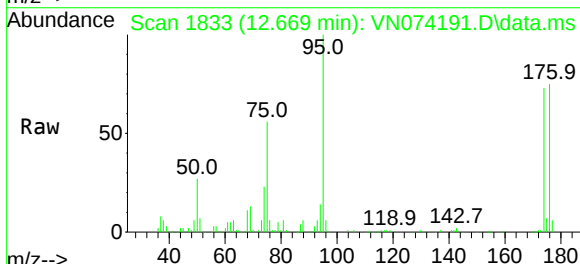
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

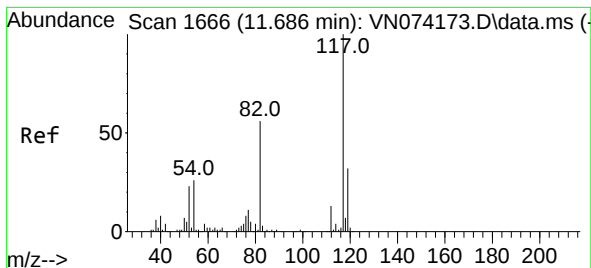
Tgt Ion: 43 Resp: 132359
Ion Ratio Lower Upper
43 100
58 19.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.912 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 95 Resp: 135744
Ion Ratio Lower Upper
95 100
174 77.9 0.0 167.6
176 74.9 0.0 163.4

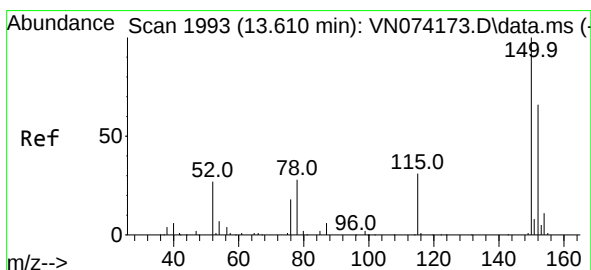
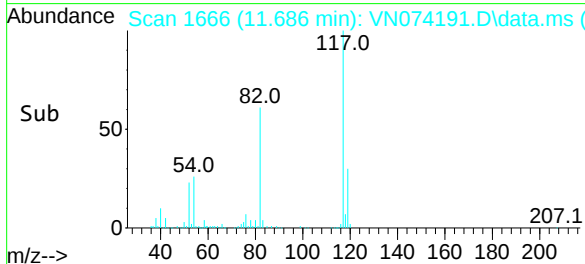
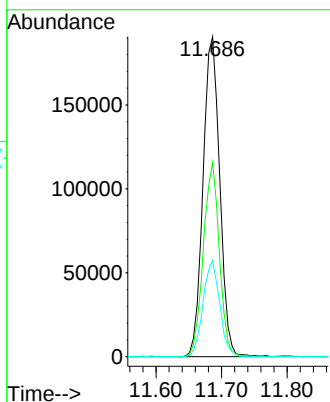
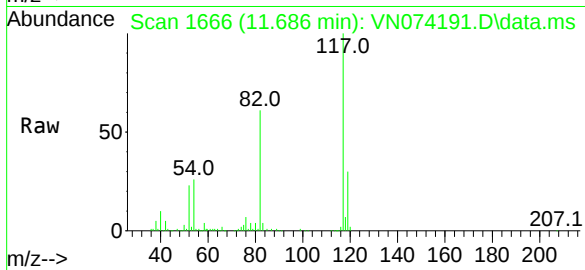




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

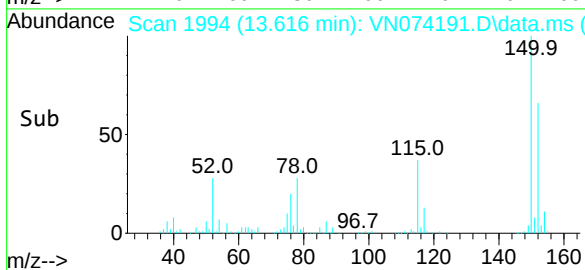
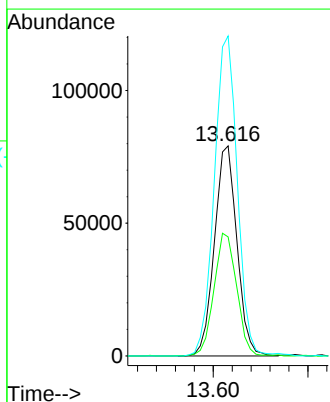
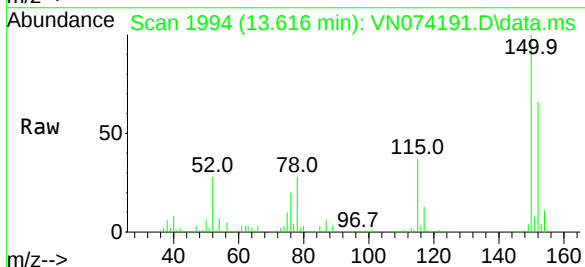
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

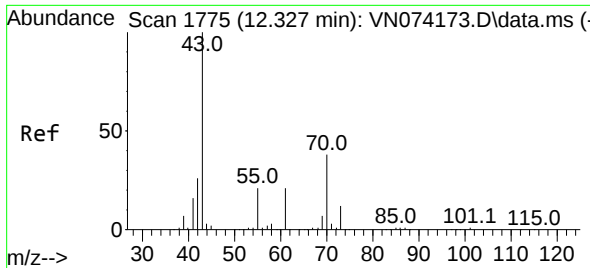
Tgt Ion:117 Resp: 338578
Ion Ratio Lower Upper
117 100
82 60.7 44.2 66.2
119 30.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion:152 Resp: 130647
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.7
150 156.1 0.0 356.2

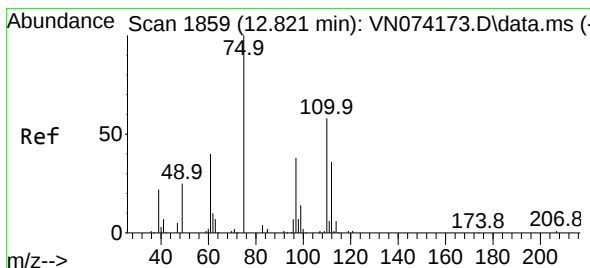
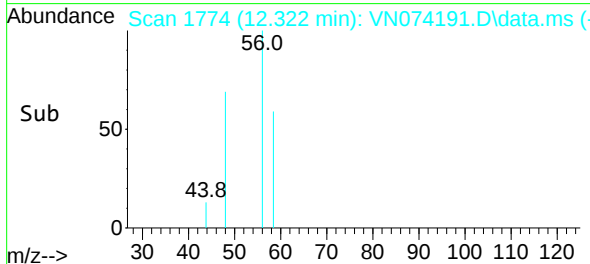
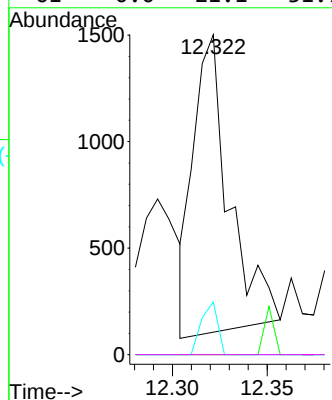
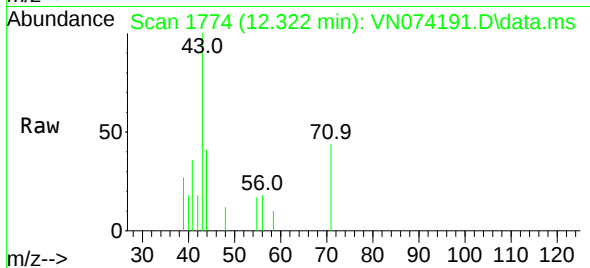




#74
N-amy1 acetate
Concen: 0.289 ug/l
RT: 12.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

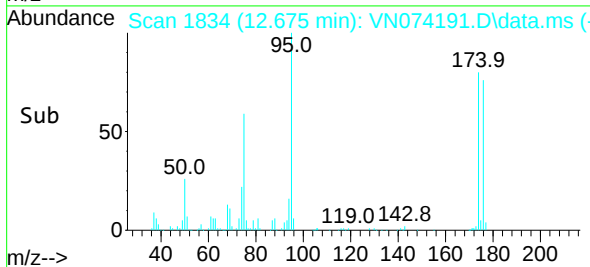
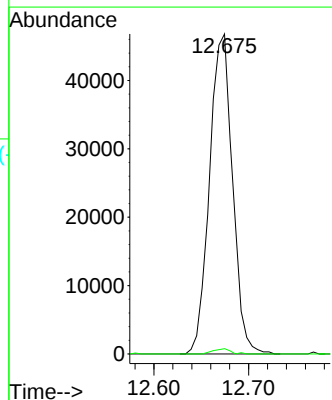
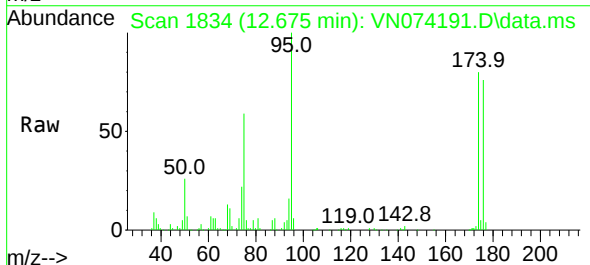
Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

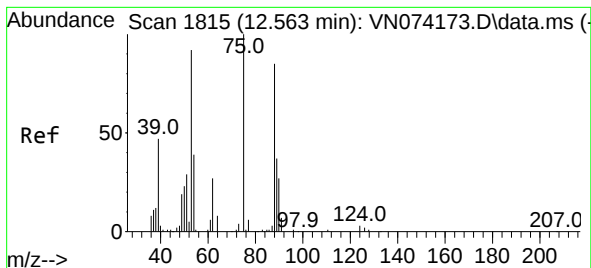
Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 8.1 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.258 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 75 Resp: 78954
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

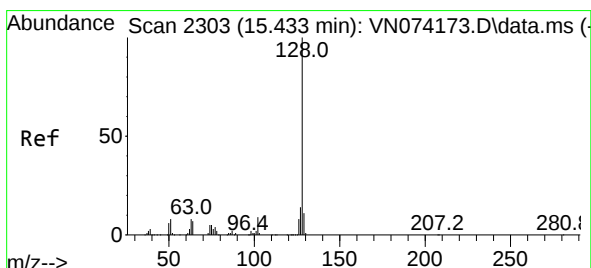
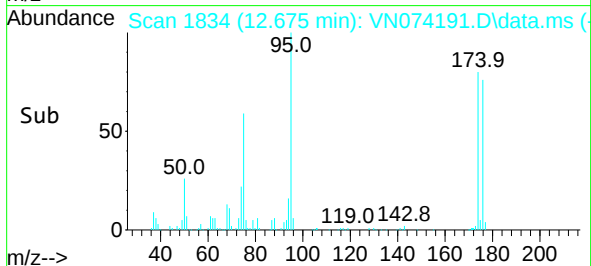
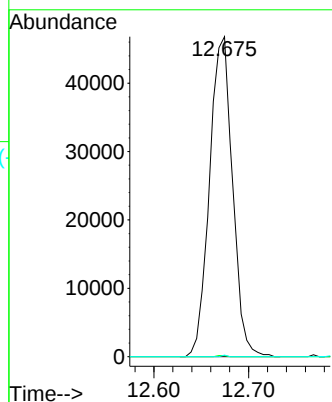
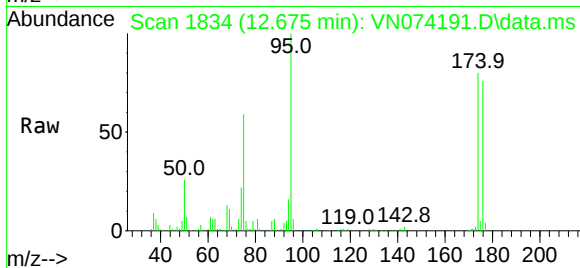




#81
trans-1,4-Dichloro-2-butene
Concen: 62.728 ug/l
RT: 12.675 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Instrument :
MSVOA_N
ClientSampleId :
PB147312TB

Tgt Ion: 75 Resp: 78954
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.188 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074191.D
Acq: 31 Aug 2022 02:11

Tgt Ion: 128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

