

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074031.D
 Acq On : 19 Aug 2022 17:02
 Operator : JC\MD
 Sample : PB147119ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#02

Quant Time: Aug 20 03:05:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

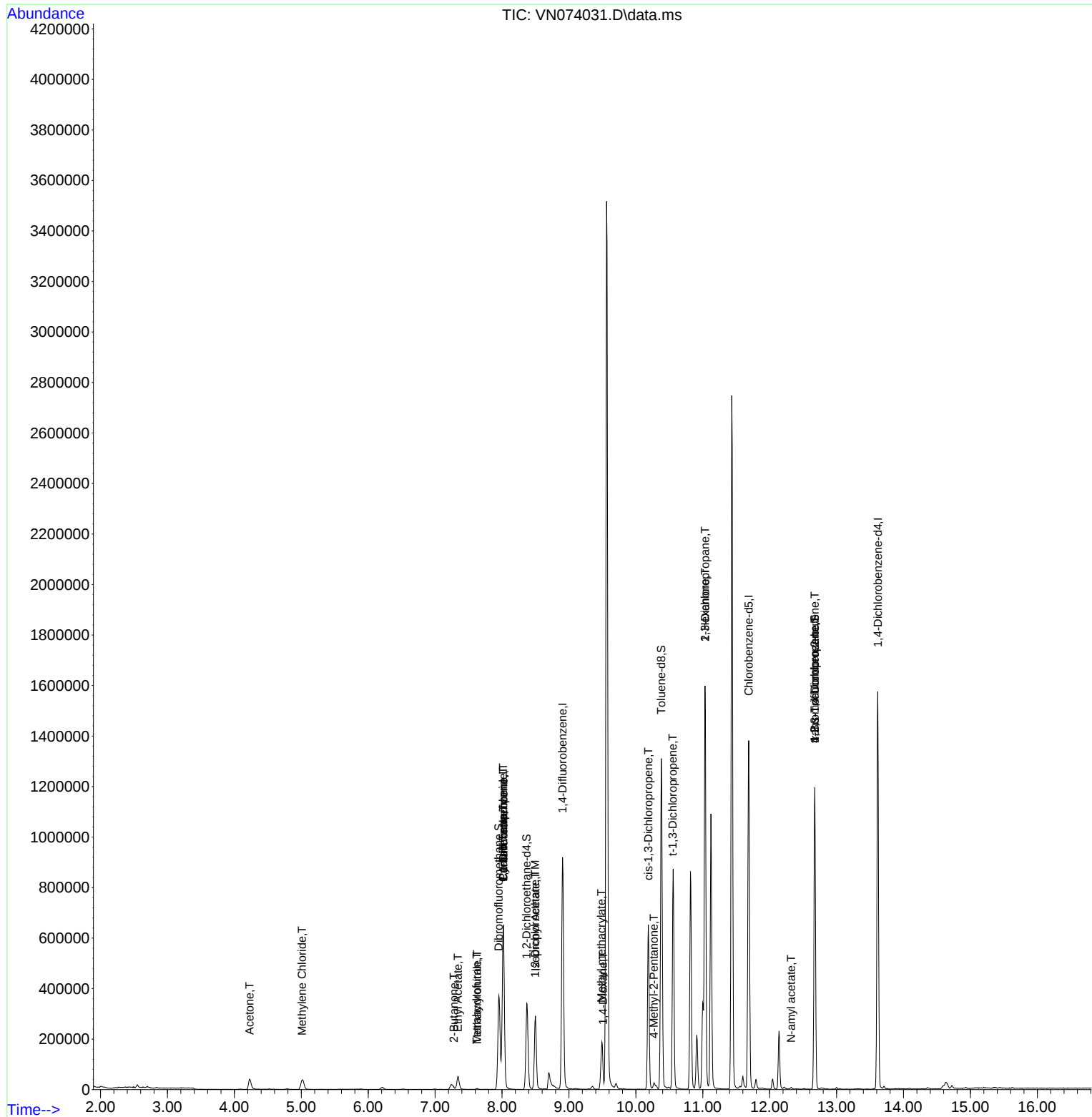
Internal Standards						
1) Pentafluorobenzene	8.022	168	547779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	853641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	856598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	453751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	285602	53.530	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.060%			
35) Dibromofluoromethane	7.951	113	273311	54.139	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.280%			
50) Toluene-d8	10.381	98	927675	47.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.900%			
62) 4-Bromofluorobenzene	12.674	95	393940	60.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.420%			
Target Compounds					Qvalue	
16) Acetone	4.228	43	76868	30.538	ug/l	99
18) Methyl Acetate	4.787	43	5230	Below Cal	#	51
20) Methylene Chloride	5.010	84	35572	6.697	ug/l	94
25) 2-Butanone	7.281	43	12074	3.025	ug/l	# 88
29) Tetrahydrofuran	7.622	42	2400	0.937	ug/l	# 76
31) Cyclohexane	8.016	56	8995	1.209	ug/l	# 5
36) 1,1-Dichloropropene	8.016	75	35479	5.060	ug/l	# 50
37) Ethyl Acetate	7.340	43	77686	9.145	ug/l	99
38) Carbon Tetrachloride	8.016	117	48450	6.045	ug/l	# 18
41) Methacrylonitrile	7.628	41	1453	0.378	ug/l	# 33
42) 1,2-Dichloroethane	8.492	62	2414	0.317	ug/l	# 74
43) Isopropyl Acetate	8.498	43	318785	26.342	ug/l	93
48) Methyl methacrylate	9.486	41	10785	2.083	ug/l	# 41
49) 1,4-Dioxane	9.510	88	56	0.364	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.269	43	26616	3.253	ug/l	# 77
53) t-1,3-Dichloropropene	10.551	75	2370	0.293	ug/l	# 56
54) cis-1,3-Dichloropropene	10.186	75	124301	14.045	ug/l	# 60
57) 1,3-Dichloropropane	11.033	76	17914	1.866	ug/l	# 42
59) 2-Hexanone	11.033	43	212594	33.761	ug/l	# 49
74) N-amyl acetate	12.322	43	3144	0.252	ug/l	# 46
76) 1,2,3-Trichloropropane	12.674	75	193151	20.480	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	193151	58.249	ug/l	# 10

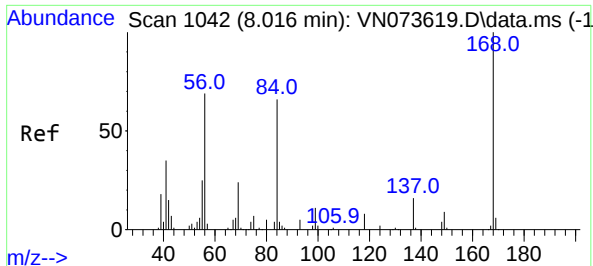
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
Data File : VN074031.D
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Sample : PB147119ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
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Quant Time: Aug 20 03:05:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

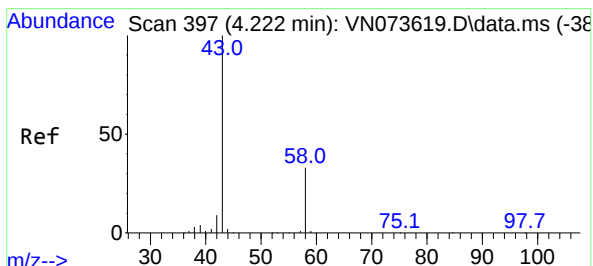
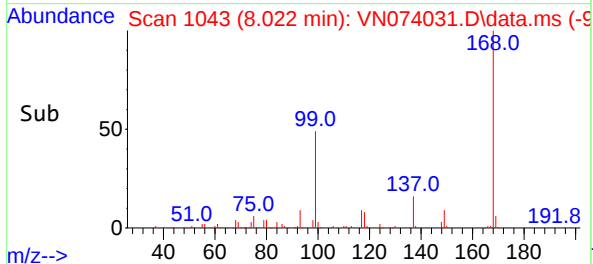
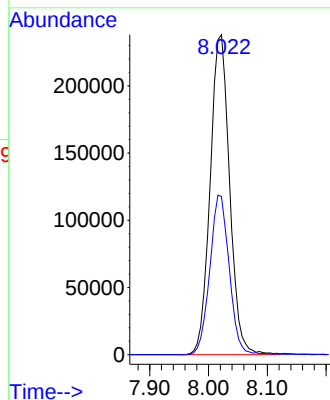
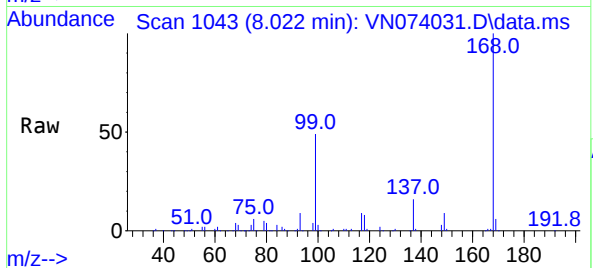




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

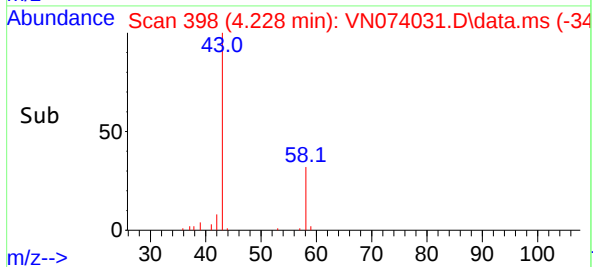
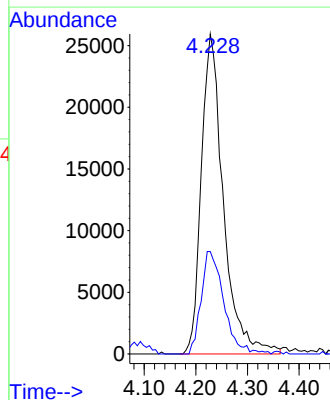
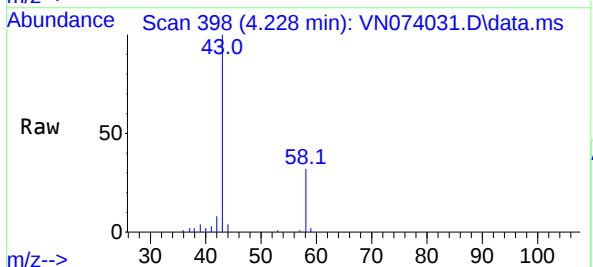
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

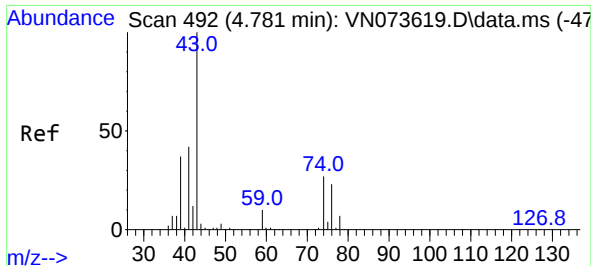
Tgt Ion:168 Resp: 547779
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#16
Acetone
Concen: 30.538 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 43 Resp: 76868
Ion Ratio Lower Upper
43 100
58 32.0 26.0 39.0

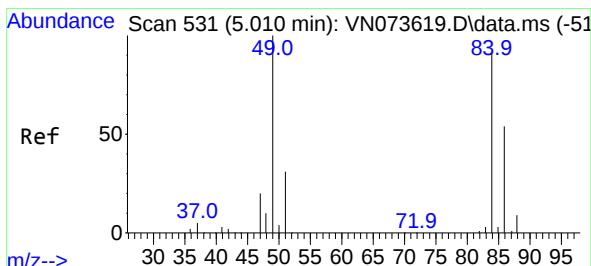
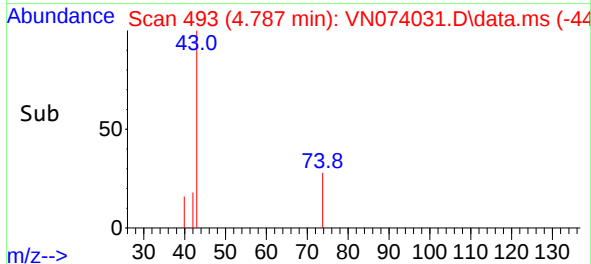
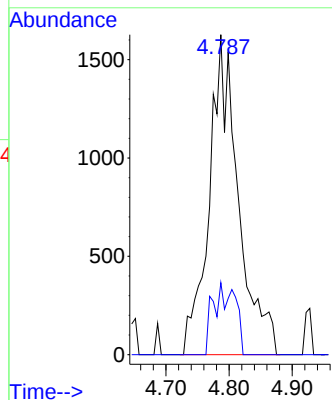
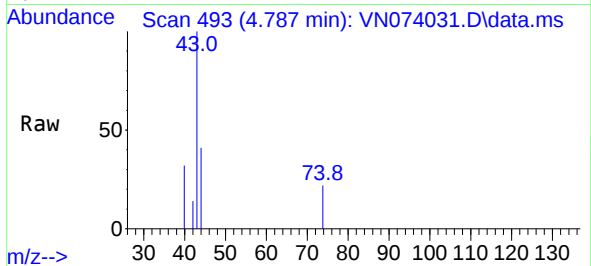




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

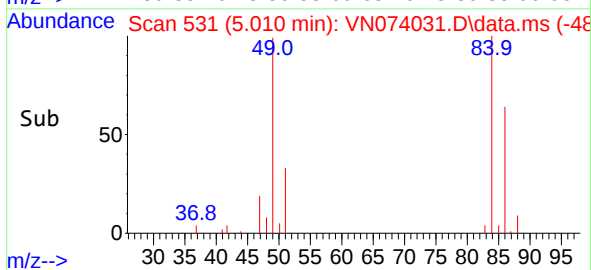
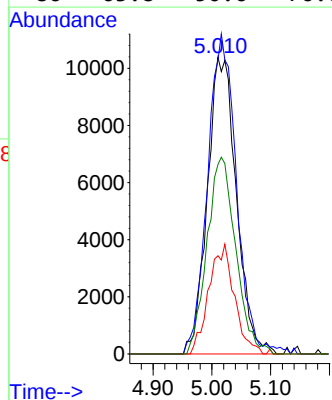
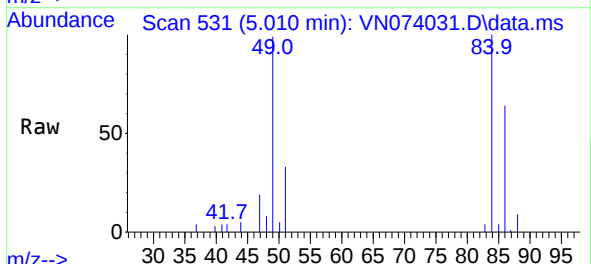
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

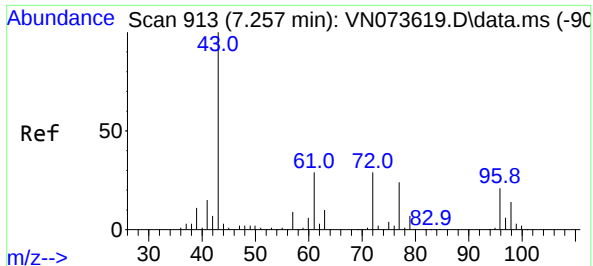
Tgt Ion: 43 Resp: 5230
Ion Ratio Lower Upper
43 100
74 1.7 21.6 32.4#



#20
Methylene Chloride
Concen: 6.697 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 84 Resp: 35572
Ion Ratio Lower Upper
84 100
49 99.0 88.3 132.5
51 33.1 28.2 42.2
86 63.8 50.6 76.0





#25

2-Butanone

Concen: 3.025 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.024 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

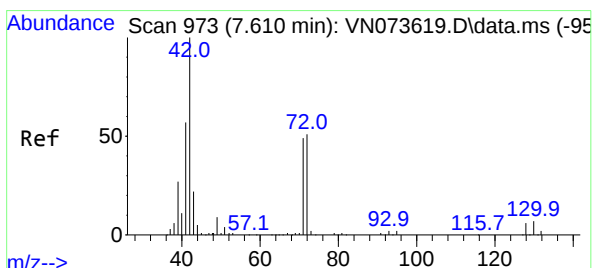
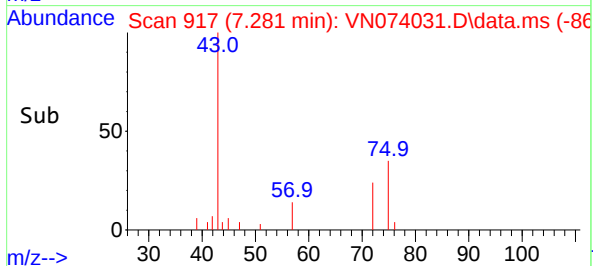
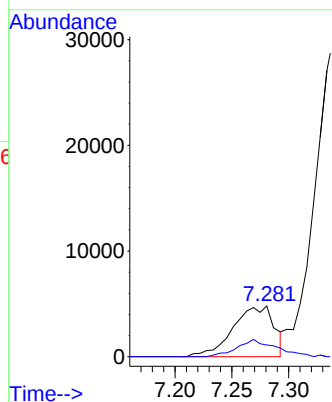
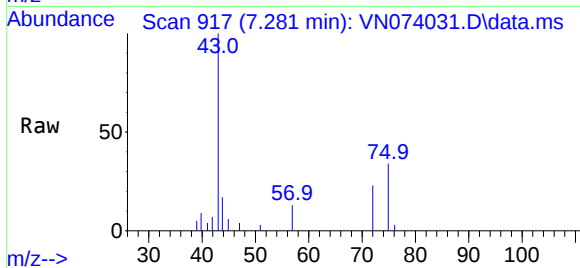
PB147119ZHE#02

Tgt Ion: 43 Resp: 12074

Ion Ratio Lower Upper

43 100

72 23.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.937 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

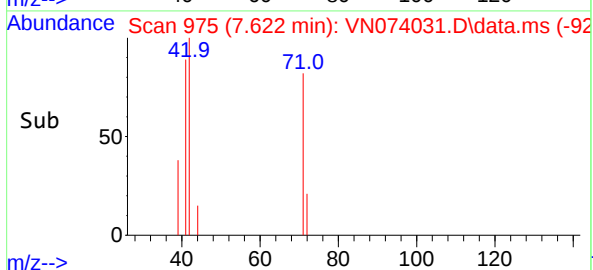
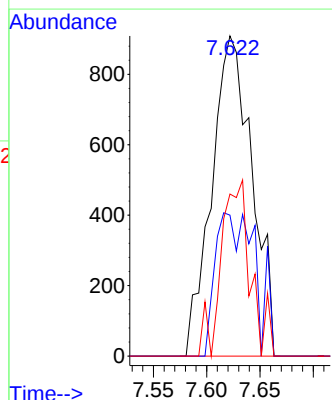
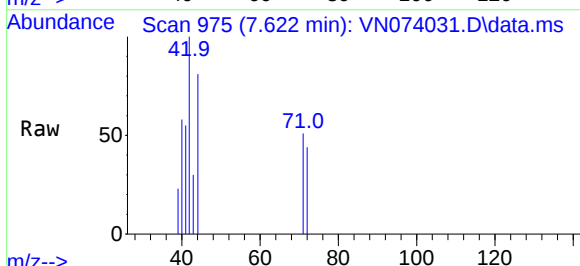
Tgt Ion: 42 Resp: 2400

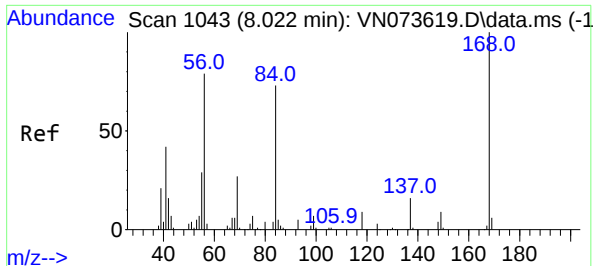
Ion Ratio Lower Upper

42 100

72 23.8 39.7 59.5#

71 39.6 36.6 55.0

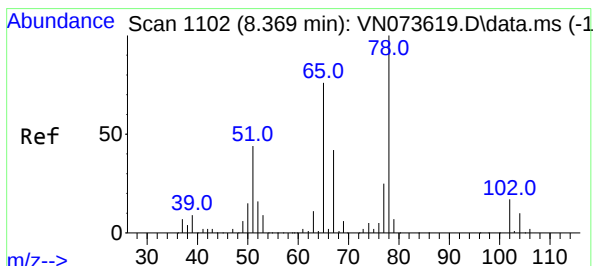
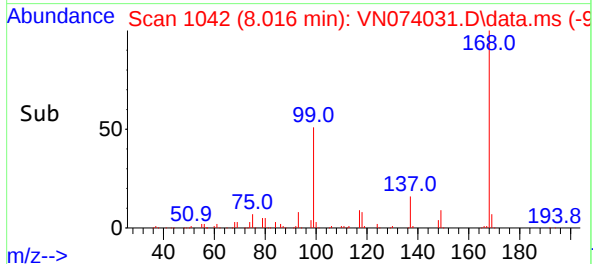
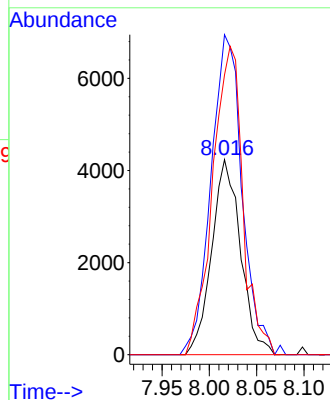
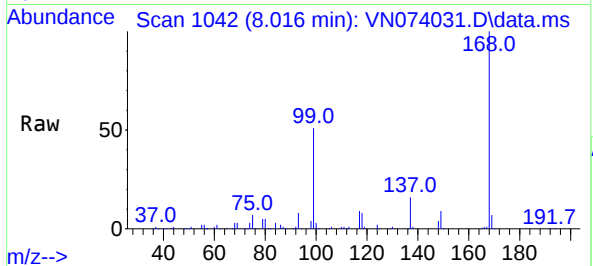




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

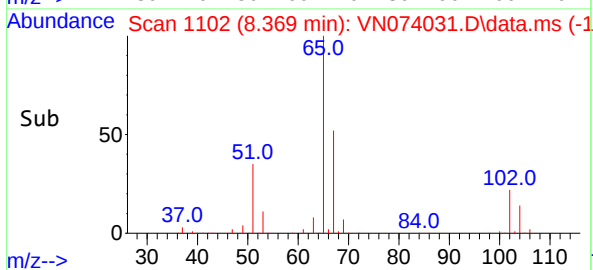
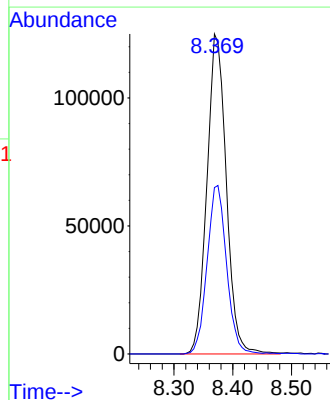
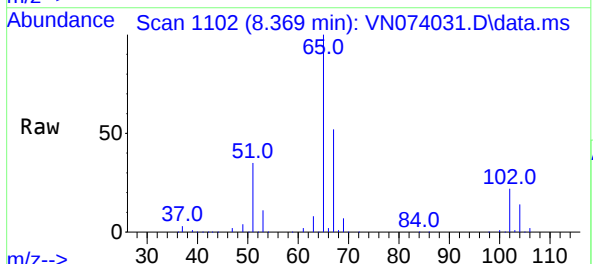
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

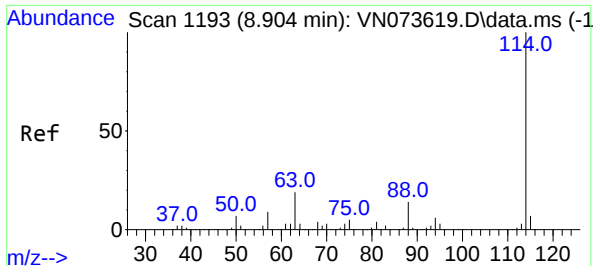
Tgt Ion: 56 Resp: 8995
Ion Ratio Lower Upper
56 100
69 164.0 27.8 41.8#
84 143.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.530 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 65 Resp: 285602
Ion Ratio Lower Upper
65 100
67 52.9 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: VN074031.D

Acq: 19 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB147119ZHE#02

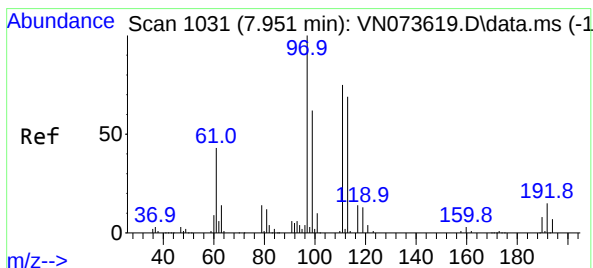
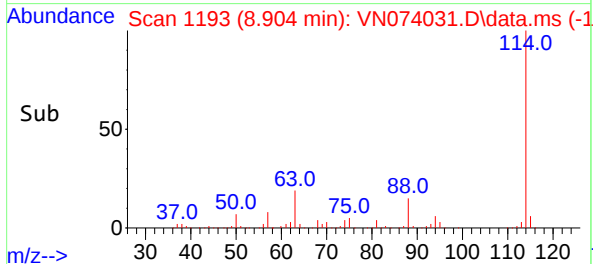
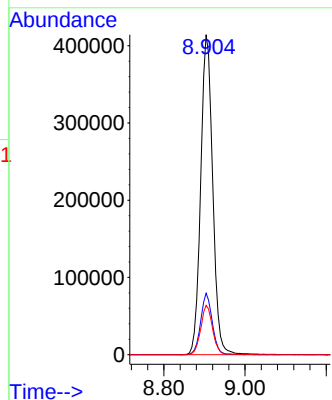
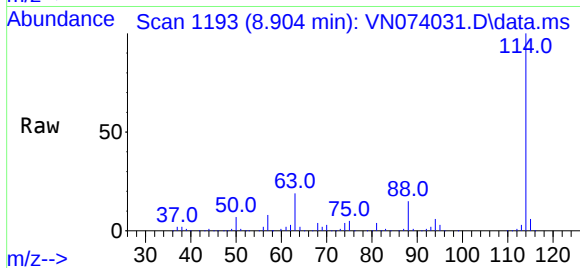
Tgt Ion:114 Resp: 853641

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.139 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

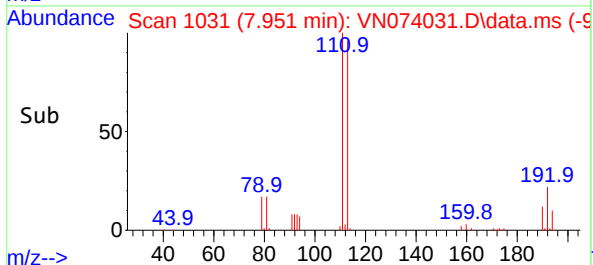
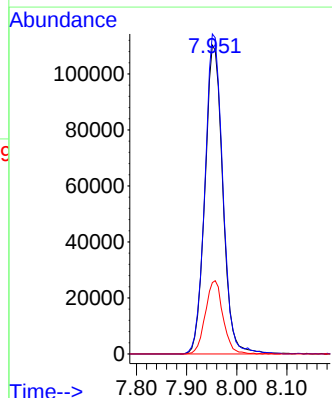
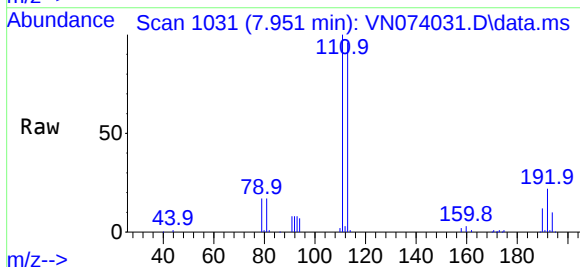
Tgt Ion:113 Resp: 273311

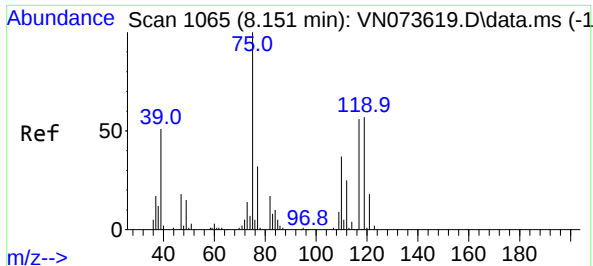
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 23.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB147119ZHE#02

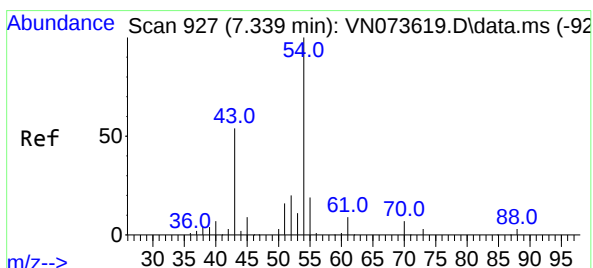
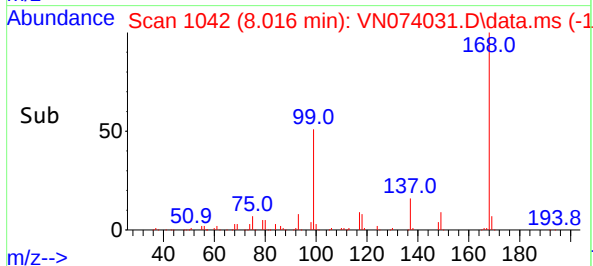
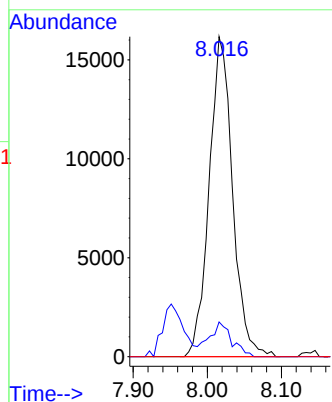
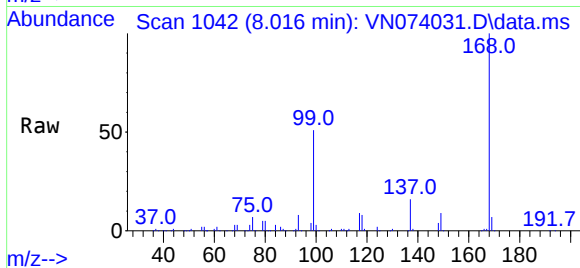
Tgt Ion: 75 Resp: 35479

Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.145 ug/l

RT: 7.340 min Scan# 927

Delta R.T. 0.001 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

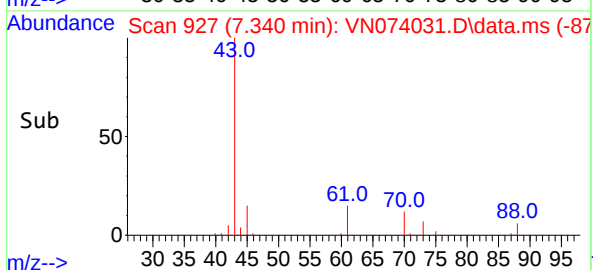
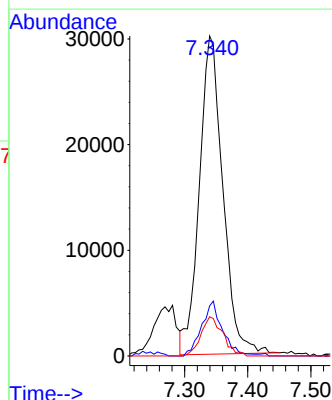
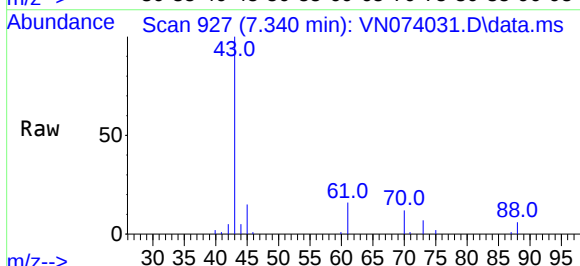
Tgt Ion: 43 Resp: 77686

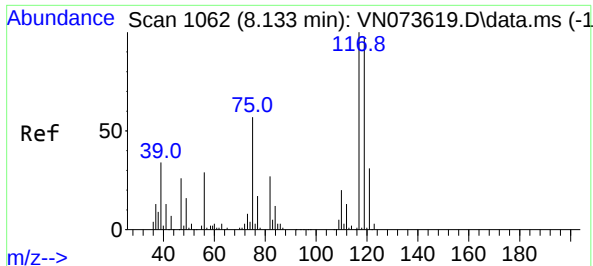
Ion Ratio Lower Upper

43 100

61 15.3 11.8 17.6

70 11.6 9.3 13.9

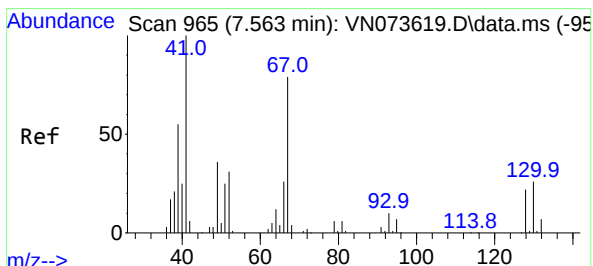
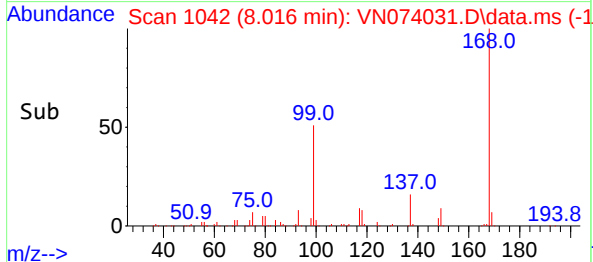
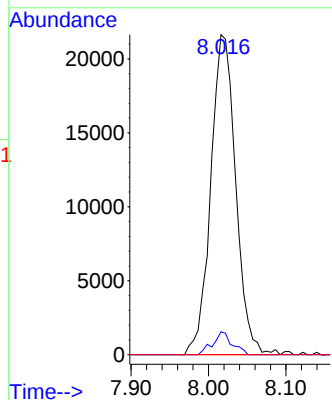
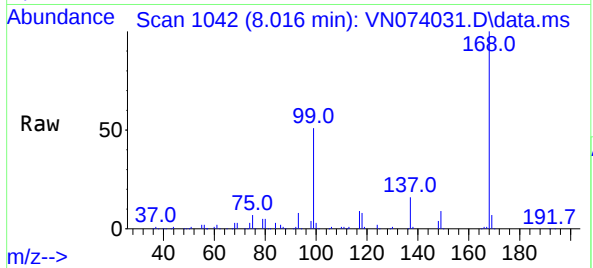




#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

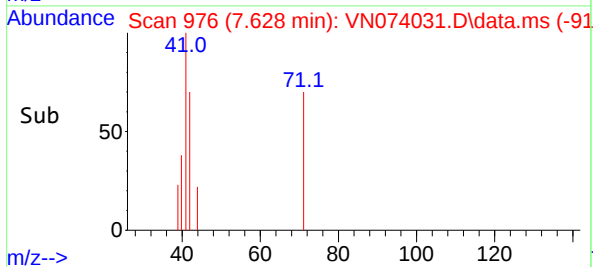
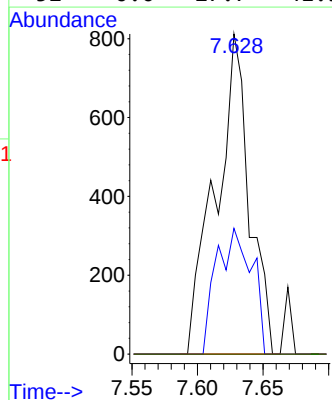
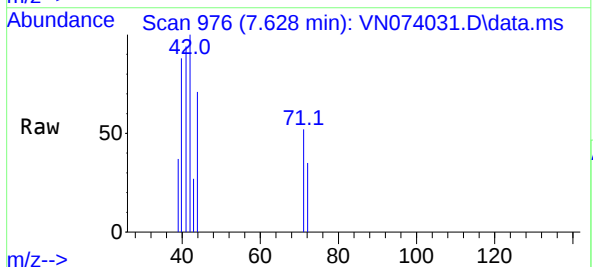
Instrument :
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PB147119ZHE#02

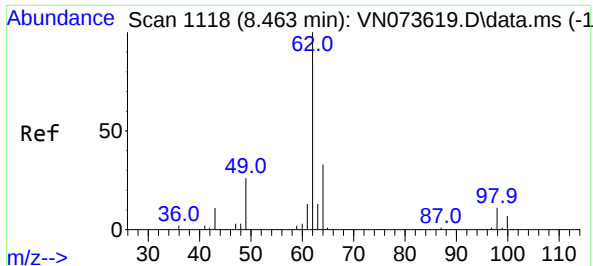
Tgt Ion:117 Resp: 48450
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.378 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 41 Resp: 1453
Ion Ratio Lower Upper
41 100
39 41.3 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

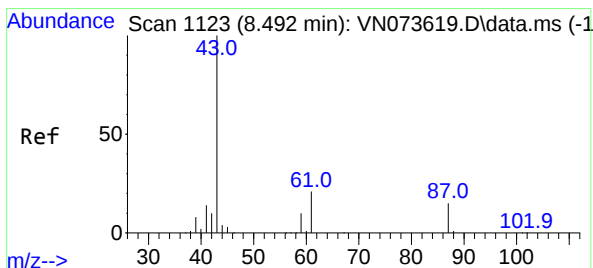
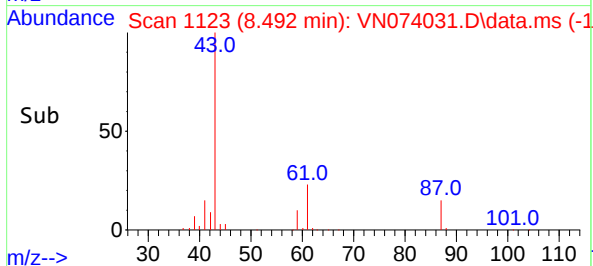
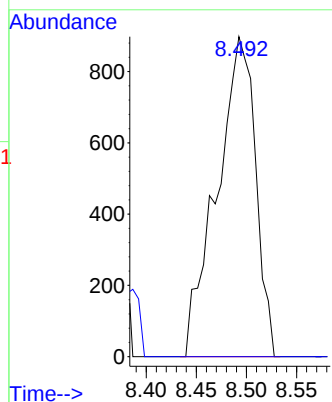
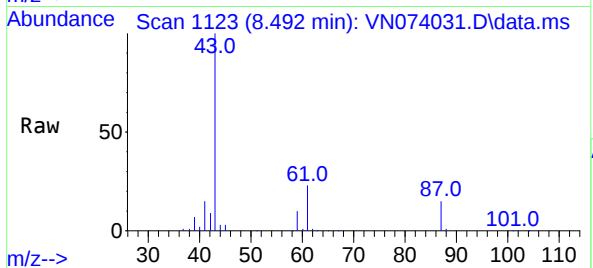
PB147119ZHE#02

Tgt Ion: 62 Resp: 2414

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 26.342 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

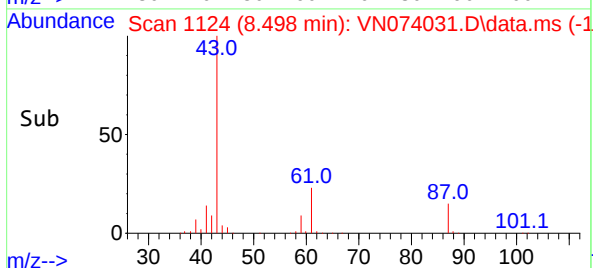
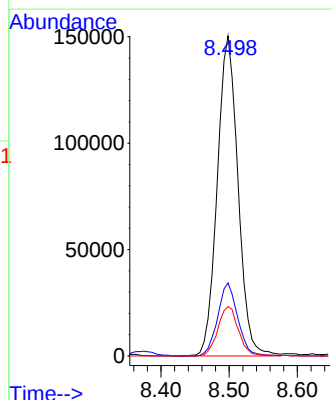
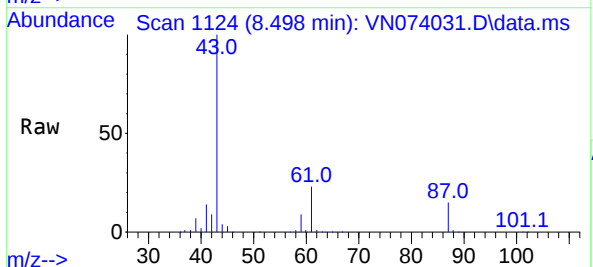
Tgt Ion: 43 Resp: 318785

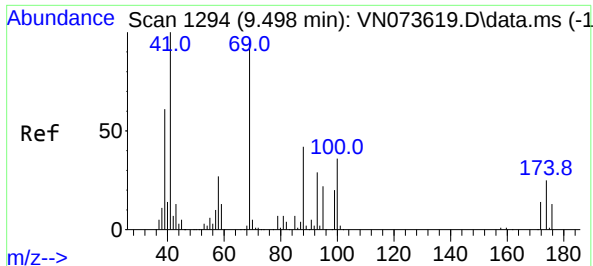
Ion Ratio Lower Upper

43 100

61 22.1 21.9 32.9

87 15.4 12.0 18.0

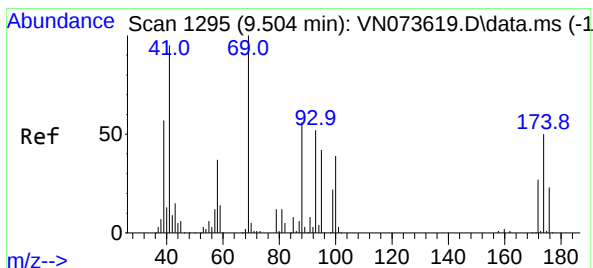
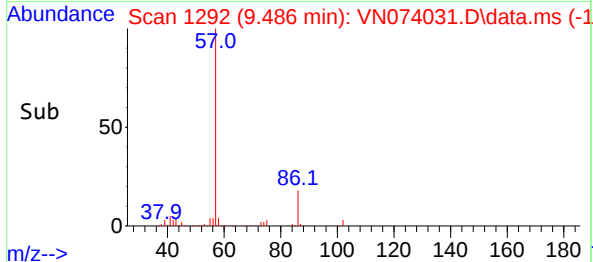
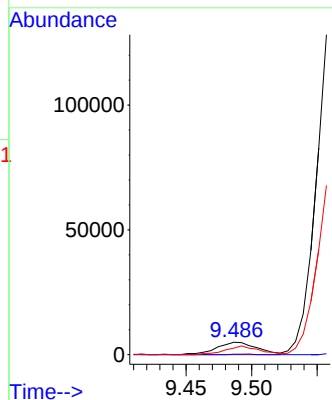
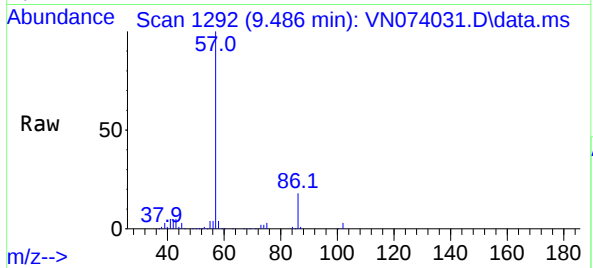




#48
Methyl methacrylate
Concen: 2.083 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

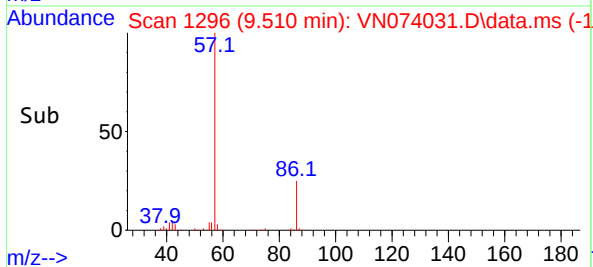
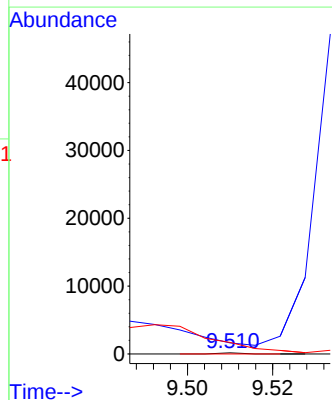
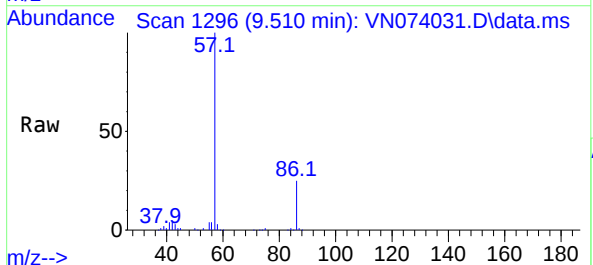
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

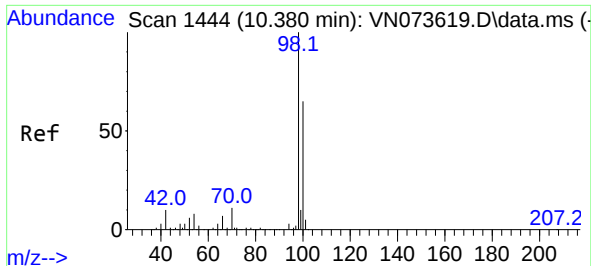
Tgt Ion: 41 Resp: 10785
Ion Ratio Lower Upper
41 100
69 2.1 74.7 112.1#
39 57.1 45.6 68.4



#49
1,4-Dioxane
Concen: 0.364 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 15696.4 54.2 81.4#

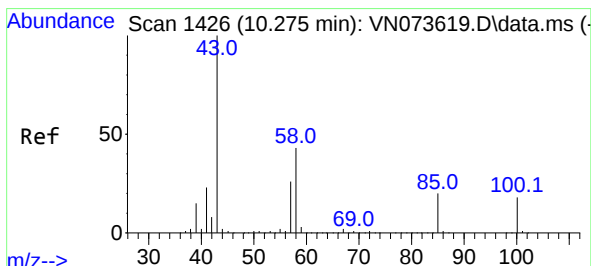
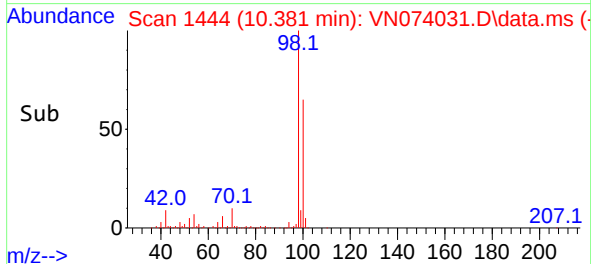
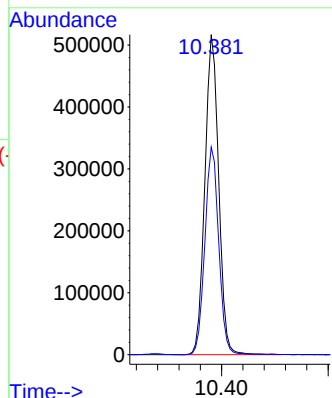
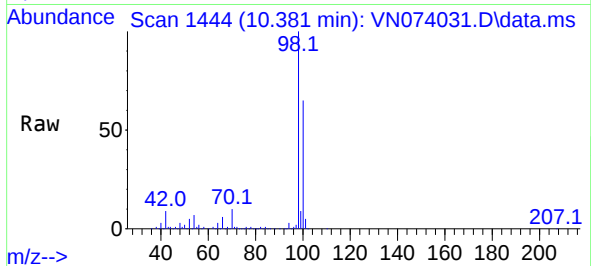




#50
Toluene-d8
Concen: 47.447 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

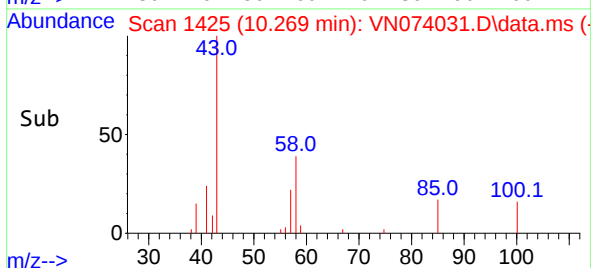
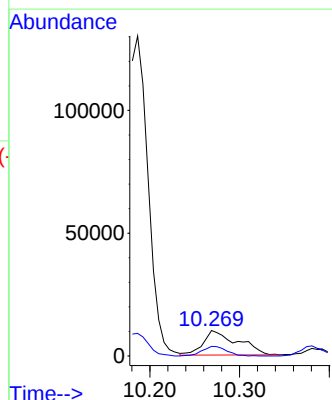
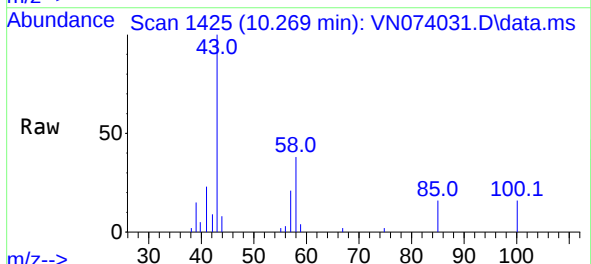
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

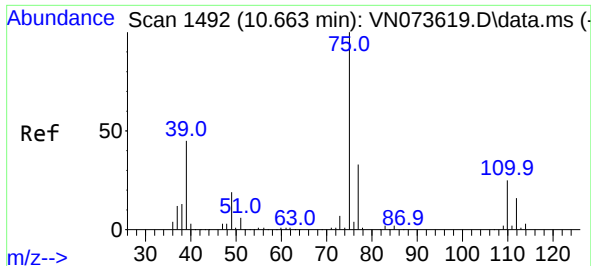
Tgt Ion: 98 Resp: 927675
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.253 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 43 Resp: 26616
Ion Ratio Lower Upper
43 100
58 27.7 34.1 51.1#

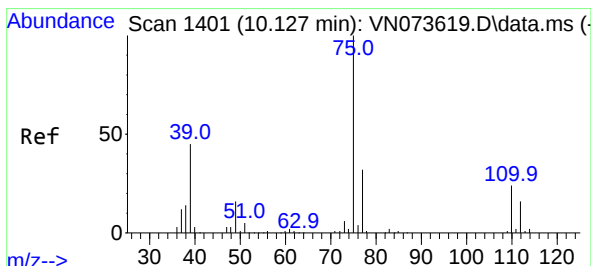
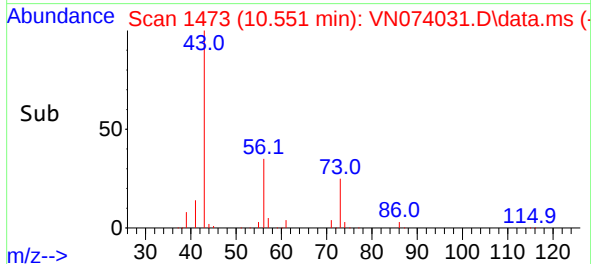
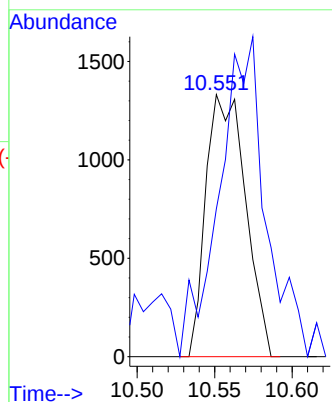
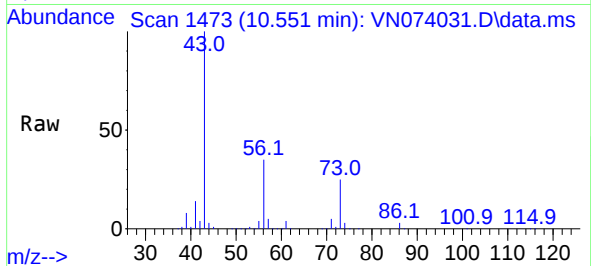




#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.551 min Scan# 1410
Delta R.T. -0.112 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

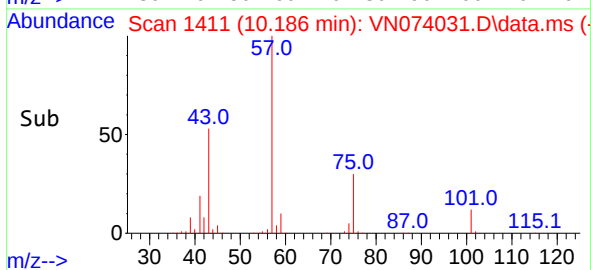
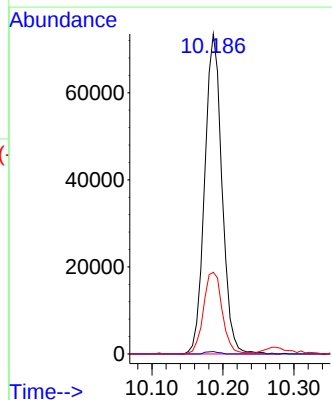
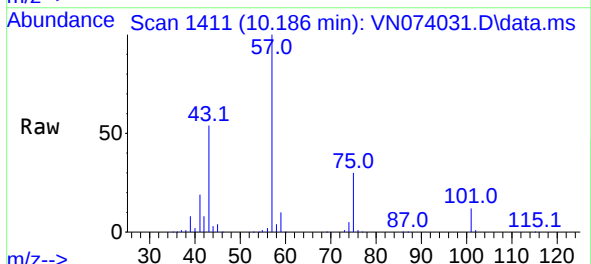
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

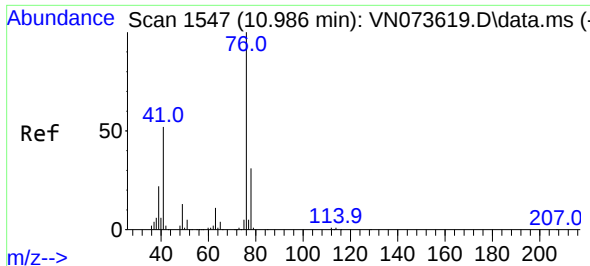
Tgt Ion: 75 Resp: 2370
Ion Ratio Lower Upper
75 100
77 56.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 14.045 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 75 Resp: 124301
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 25.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.866 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074031.D

Acq: 19 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

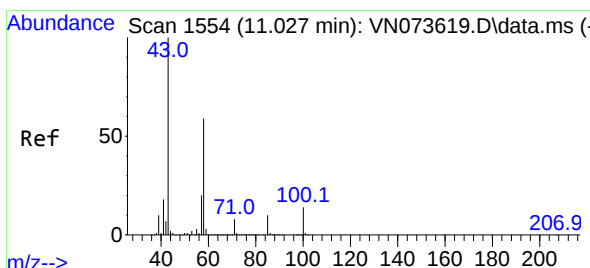
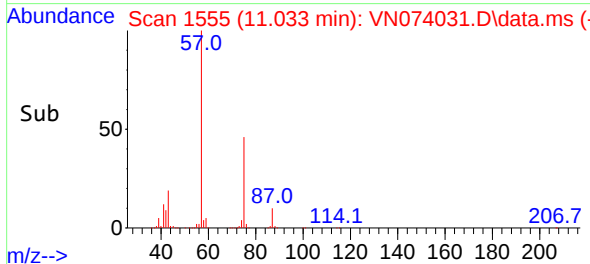
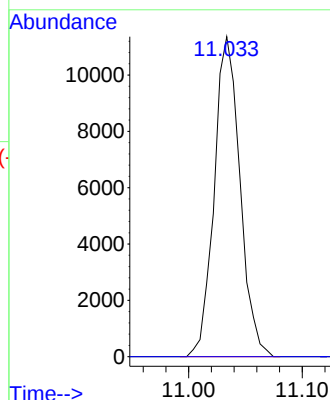
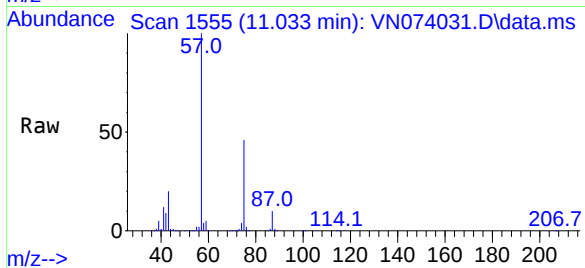
PB147119ZHE#02

Tgt Ion: 76 Resp: 17914

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 33.761 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074031.D

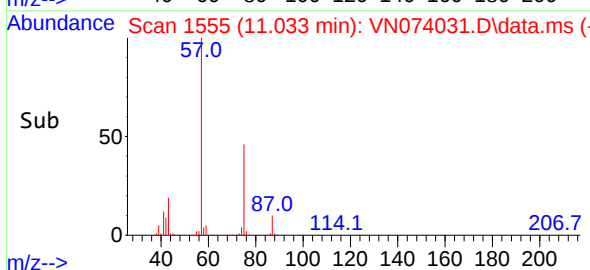
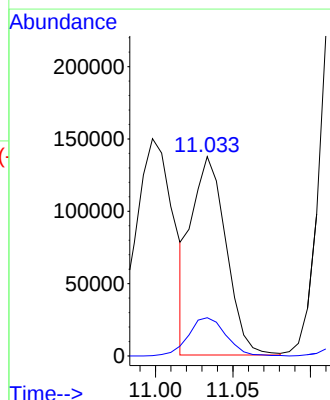
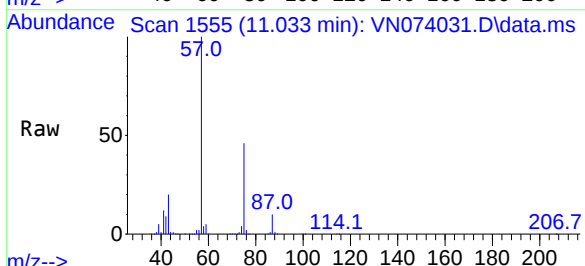
Acq: 19 Aug 2022 17:02

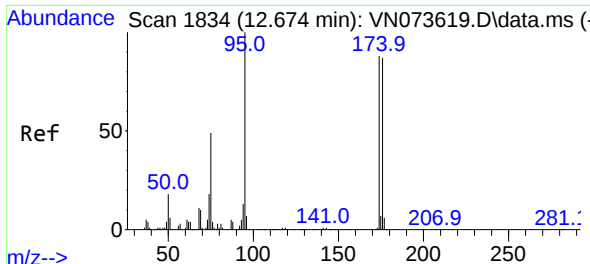
Tgt Ion: 43 Resp: 212594

Ion Ratio Lower Upper

43 100

58 21.2 29.7 89.1#

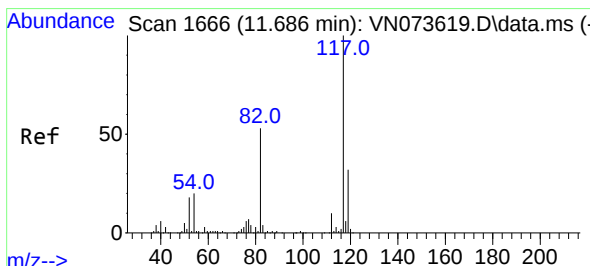
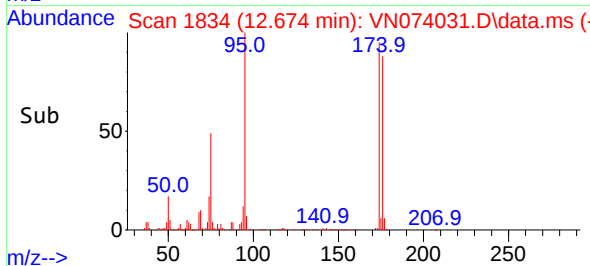
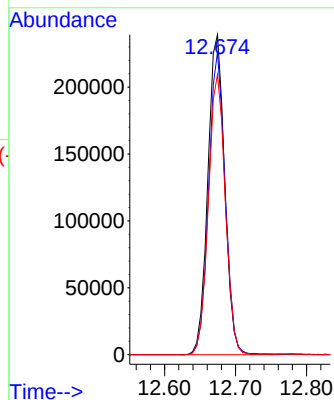
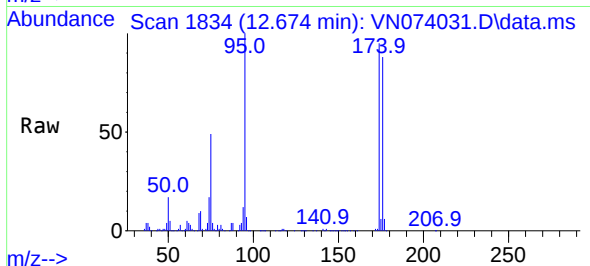




#62
4-Bromofluorobenzene
Concen: 60.710 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

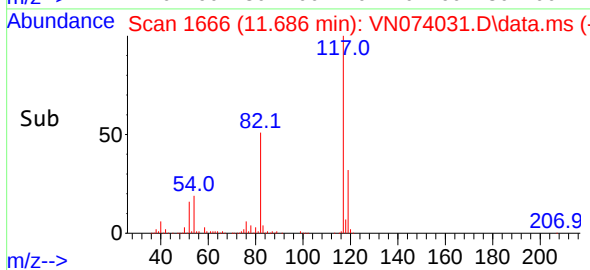
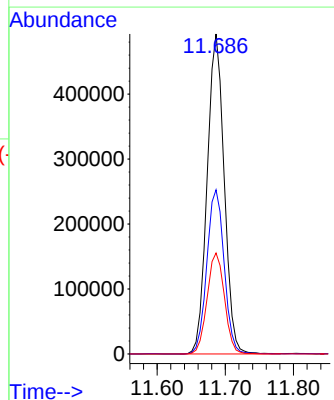
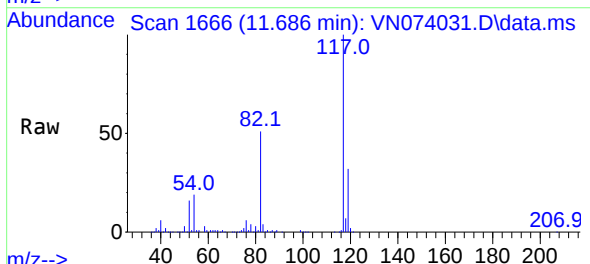
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

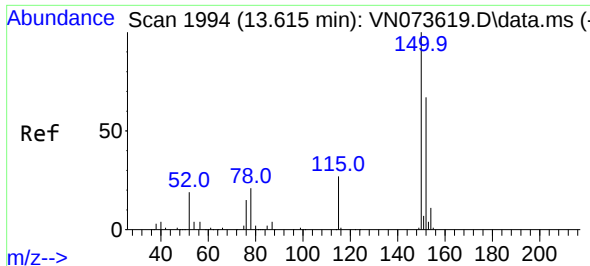
Tgt Ion: 95 Resp: 393940
Ion Ratio Lower Upper
95 100
174 92.8 0.0 167.6
176 87.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 117 Resp: 856598
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 31.6 25.4 38.0

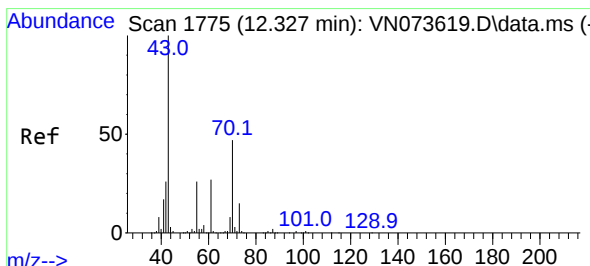
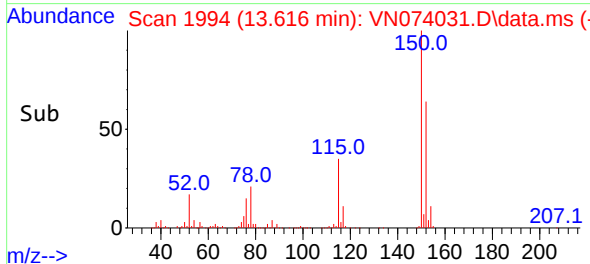
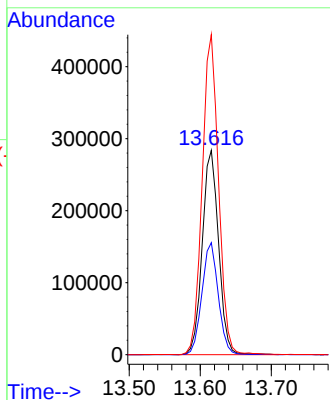
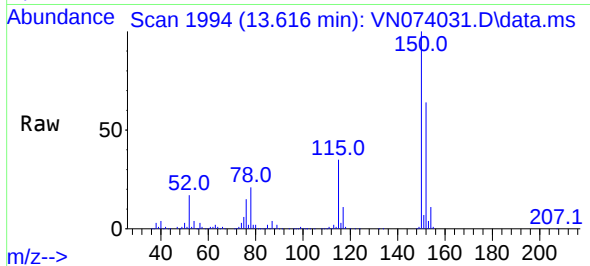




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

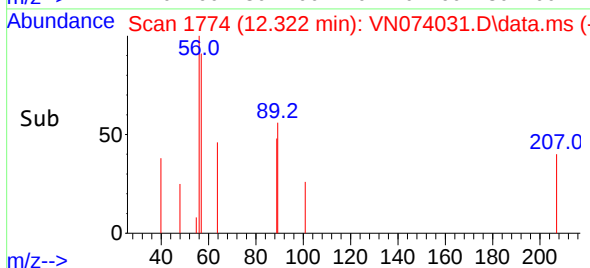
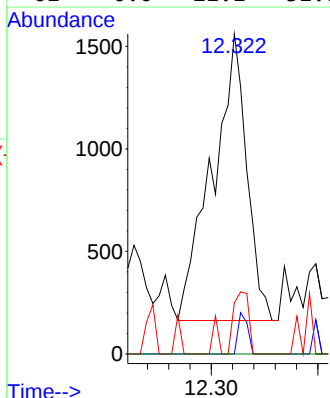
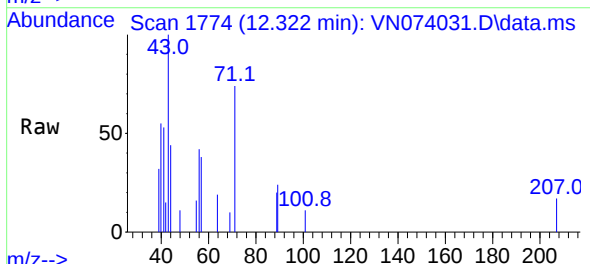
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

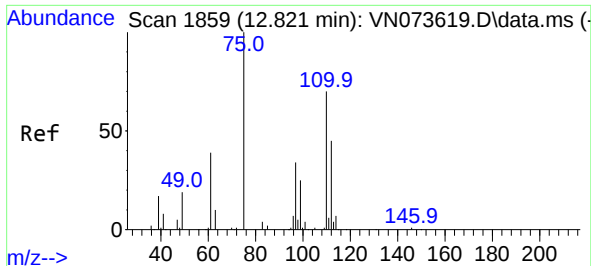
Tgt Ion:152 Resp: 453751
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 157.1 0.0 356.2



#74
N-ethyl acetate
Concen: 0.252 ug/l
RT: 12.322 min Scan# 1774
Delta R.T. -0.005 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 43 Resp: 3144
Ion Ratio Lower Upper
43 100
70 4.0 39.0 58.4#
55 9.5 21.1 31.7#
61 0.0 21.1 31.7#

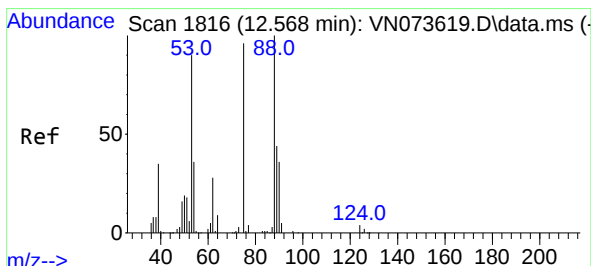
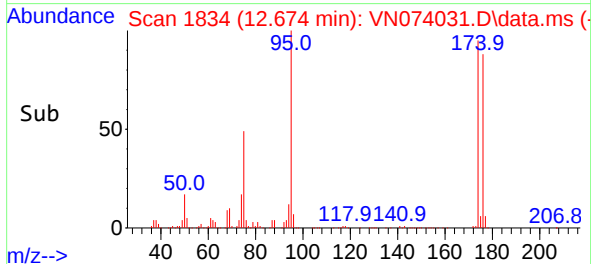
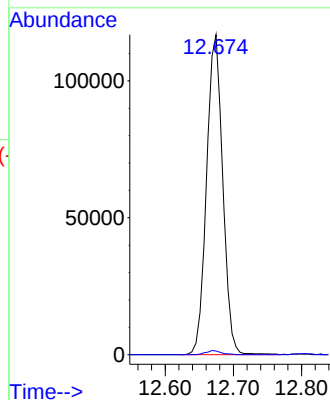
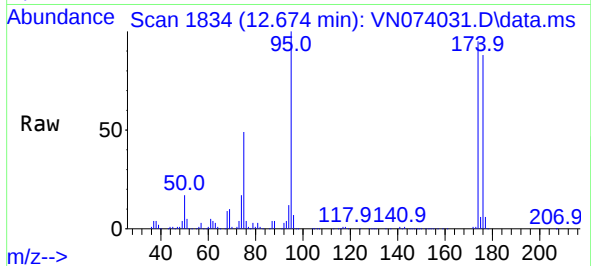




#76
1,2,3-Trichloropropane
Concen: 20.480 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#02

Tgt Ion: 75 Resp: 193151
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.249 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074031.D
Acq: 19 Aug 2022 17:02

Tgt Ion: 75 Resp: 193151
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

